

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX010721\NOT REVIEWED DATA\
 Data File : VX020522.D
 Acq On : 06 Jan 2021 16:06
 Operator : JC/MD
 Sample : VSTD01034
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

Quant Time: Jan 06 18:00:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM010721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 06 17:45:17 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	344417	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	326976	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	155722	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	24503	8.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	17.70%#
7) Chloroethane-d5	1.69	69	20106	9.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	18.60%#
11) 1,1-Dichloroethene-d2	2.34	63	44630	8.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	17.28%#
21) 2-Butanone-d5	4.53	46	30768	18.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	18.15%#
24) Chloroform-d	5.14	84	41200	8.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	17.30%#
26) 1,2-Dichloroethane-d4	6.03	65	28818	9.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	18.28%#
32) Benzene-d6	6.04	84	89330	9.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	18.16%#
36) 1,2-Dichloropropane-d6	7.37	67	28177	9.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	18.52%#
41) Toluene-d8	8.70	98	78376	8.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	17.58%#
43) trans-1,3-Dichloropropene-	8.99	79	12154	8.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	16.42%#
47) 2-Hexanone-d5	9.43	63	20740	15.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	15.44%#
56) 1,1,2,2-Tetrachloroethane-	11.23	84	37049	8.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	17.54%#
66) 1,2-Dichlorobenzene-d4	12.36	152	28210	9.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	18.48%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	29222	8.715	ug/L 99
3) Chloromethane	1.31	50	26850	8.897	ug/L 98
5) Vinyl chloride	1.39	62	28489	8.887	ug/L 99
6) Bromomethane	1.63	94	17925	11.054	ug/L 97
8) Chloroethane	1.71	64	17530	9.130	ug/L 99
9) Trichlorofluoromethane	1.92	101	35779	8.863	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	22196	8.842	ug/L 99
12) 1,1-Dichloroethene	2.36	96	21225	8.650	ug/L 99
13) Acetone	2.42	43	26083	18.769	ug/L 99
14) Carbon disulfide	2.55	76	69690	8.850	ug/L 99
15) Methyl Acetate	2.75	43	24554	8.874	ug/L 99
16) Methylene chloride	2.83	84	26586	9.062	ug/L 96
17) trans-1,2-Dichloroethene	3.14	96	22934	8.683	ug/L 97
18) Methyl tert-butyl Ether	3.17	73	67497	8.456	ug/L 99
19) 1,1-Dichloroethane	3.67	63	42311	8.855	ug/L 98
20) cis-1,2-Dichloroethene	4.56	96	25094	8.688	ug/L 97
22) 2-Butanone	4.64	43	36027	17.541	ug/L 98

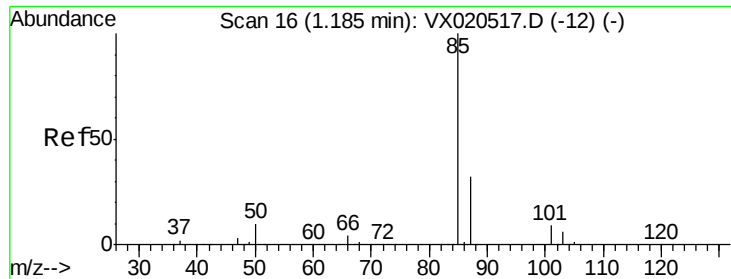
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	13141	8.798	ug/L	93
25) Chloroform	5.17	83	47991	9.201	ug/L	95
27) 1,2-Dichloroethane	6.16	62	34483	8.966	ug/L	98
29) Cyclohexane	5.54	56	33382	8.280	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	37314	8.929	ug/L	99
31) Carbon tetrachloride	5.75	117	30955	8.760	ug/L	100
33) Benzene	6.11	78	96452	8.925	ug/L	100
34) Trichloroethene	7.19	95	24665	8.962	ug/L	99
35) Methylcyclohexane	7.44	83	33511	8.099	ug/L	100
37) 1,2-Dichloropropane	7.49	63	24625	8.983	ug/L	98
38) Bromodichloromethane	7.87	83	30591	8.690	ug/L	96
39) cis-1,3-Dichloropropene	8.42	75	33788	8.196	ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	57887	16.072	ug/L	99
42) Toluene	8.76	91	96183	8.495	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	32571	8.093	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	24362	8.979	ug/L	98
46) Tetrachloroethene	9.32	164	18878	8.849	ug/L	97
48) 2-Hexanone	9.47	43	47213	16.588	ug/L	97
49) Dibromochloromethane	9.56	129	23474	8.438	ug/L	99
50) 1,2-Dibromoethane	9.65	107	24764	8.811	ug/L	97
51) Chlorobenzene	10.12	112	63476	8.855	ug/L	97
52) Ethylbenzene	10.23	91	98177	8.110	ug/L	100
53) m,p-Xylene	10.34	106	36839	8.145	ug/L	96
54) o-Xylene	10.68	106	36369	8.286	ug/L	94
55) Styrene	10.70	104	58068	7.814	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.25	83	35994	8.360	ug/L	98
59) Bromoform	10.84	173	16940	8.709	ug/L	97
60) Isopropylbenzene	11.00	105	95390	8.688	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	30268	8.910	ug/L	100
62) 1,3,5-Trimethylbenzene	11.49	105	71421	7.976	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	73315	8.111	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	45519	8.886	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	47060	9.093	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	46254	9.057	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	7400	8.612	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.15	180	28716	8.166	ug/L	94
70) 1,2,4-trichlorobenzene	13.63	180	23843	7.875	ug/L	94
71) Naphthalene	13.82	128	75729	7.571	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	25569	8.209	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 8.715 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

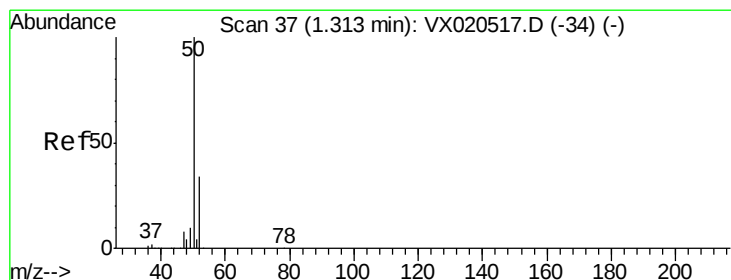
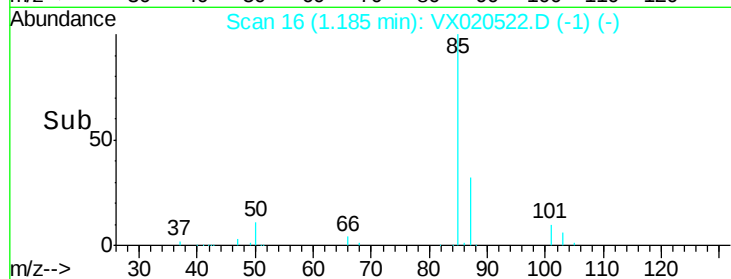
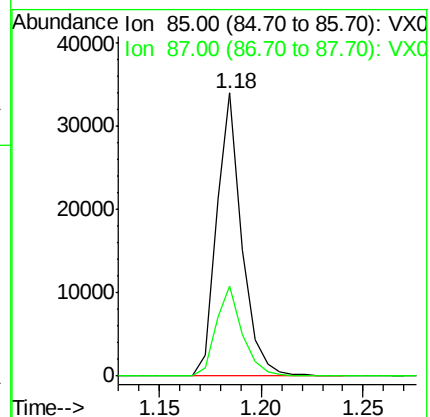
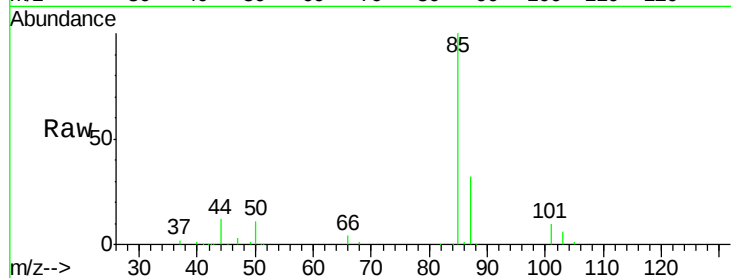
VSTD010404

Tgt Ion: 85 Resp: 29222

Ion Ratio Lower Upper

85 100

87 33.1 25.9 38.9



#3

Chloromethane

Concen: 8.897 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020522.D

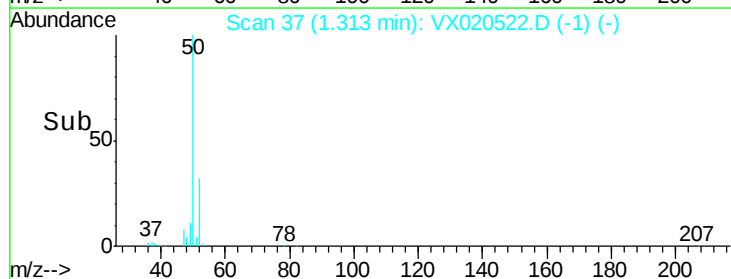
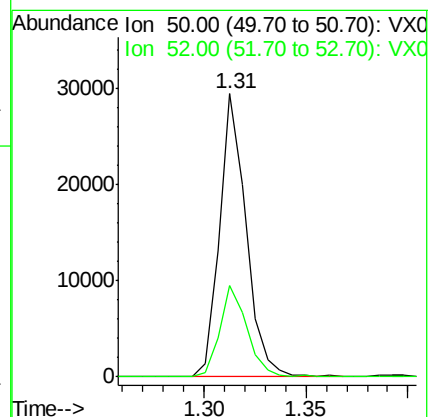
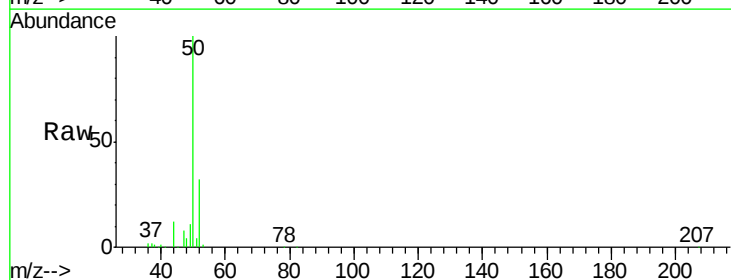
Acq: 06 Jan 2021 16:06

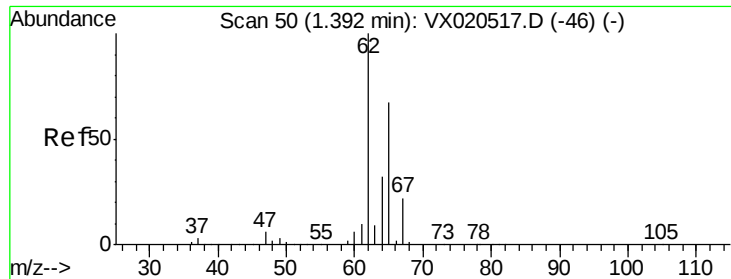
Tgt Ion: 50 Resp: 26850

Ion Ratio Lower Upper

50 100

52 32.5 23.7 43.9





#5

Vinyl chloride

Concen: 8.887 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

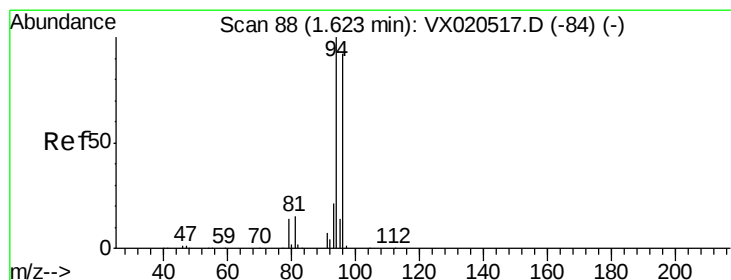
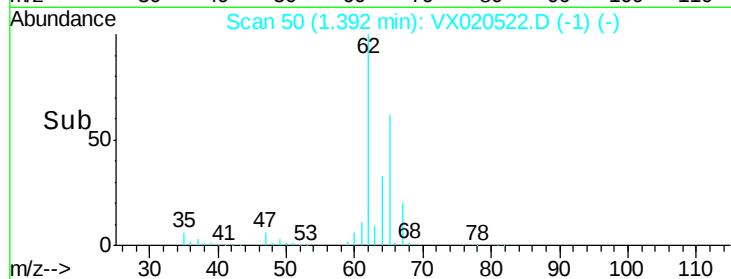
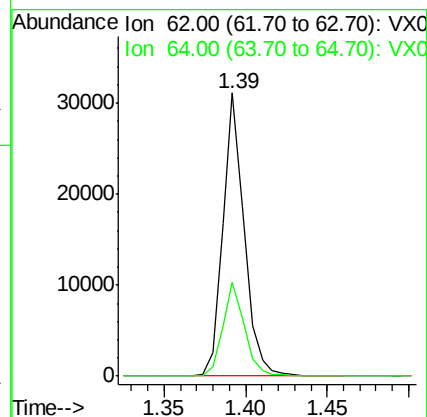
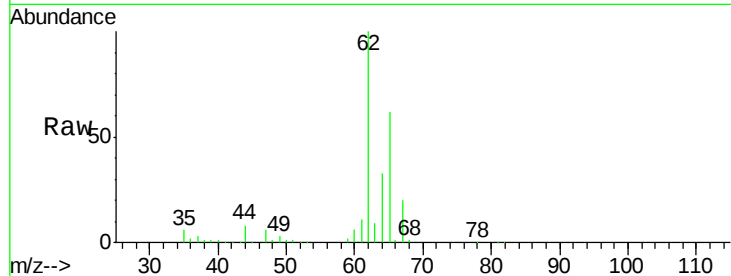
VSTD010404

Tgt Ion: 62 Resp: 28489

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.3



#6

Bromomethane

Concen: 11.054 ug/L

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020522.D

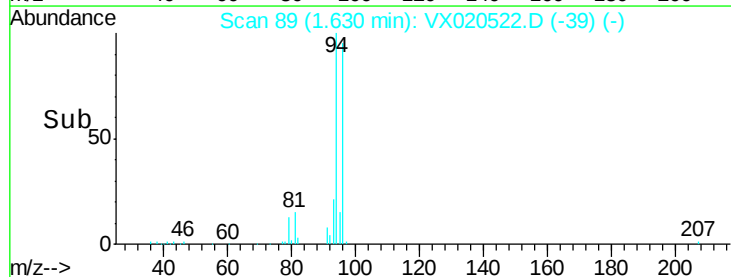
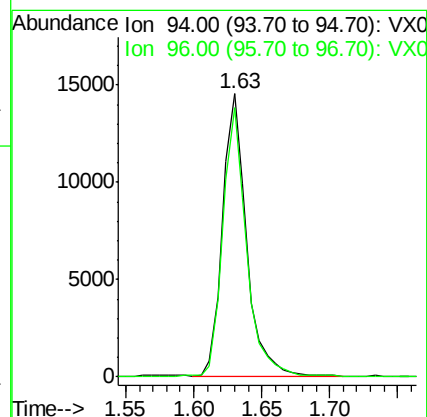
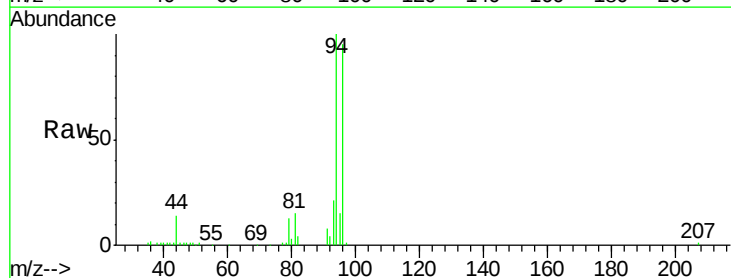
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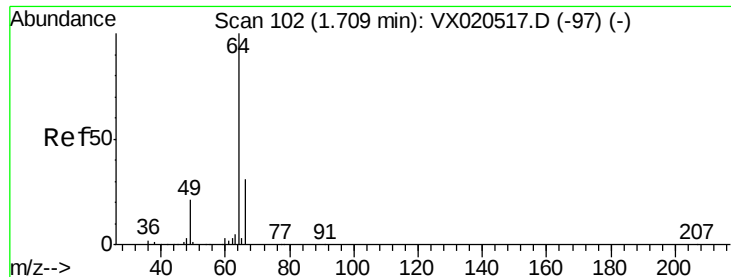
Tgt Ion: 94 Resp: 17925

Ion Ratio Lower Upper

94 100

96 95.1 64.8 120.3





#8

Chloroethane

Concen: 9.130 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

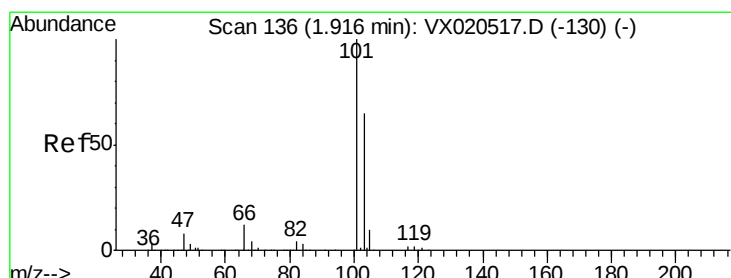
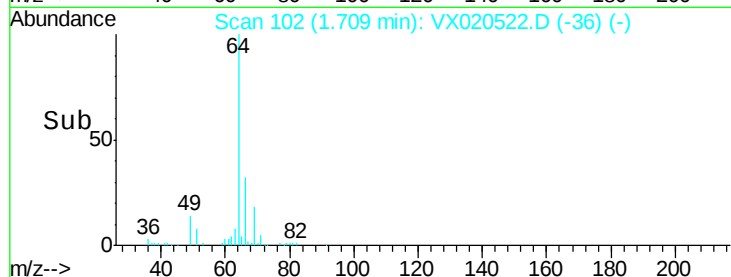
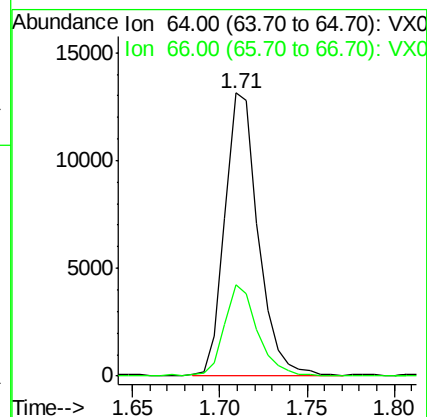
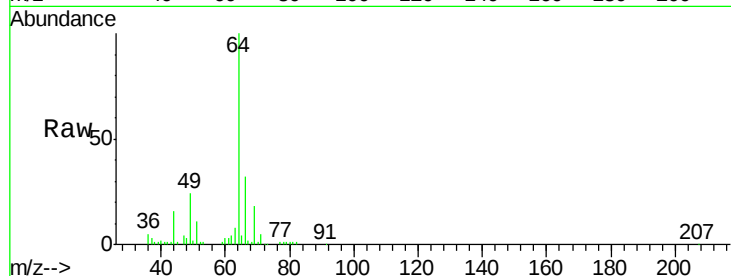
VSTD010404

Tgt Ion: 64 Resp: 17530

Ion Ratio Lower Upper

64 100

66 32.2 22.0 41.0



#9

Trichlorofluoromethane

Concen: 8.863 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX020522.D

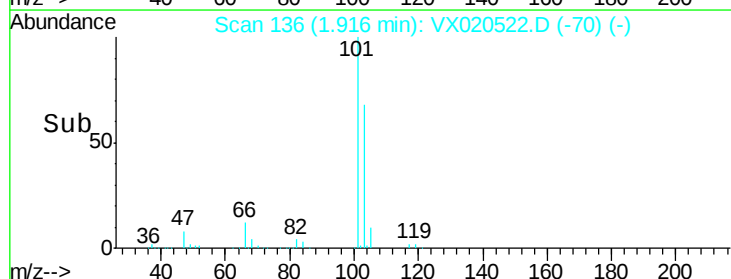
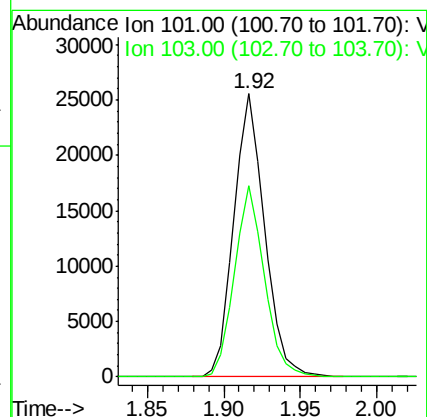
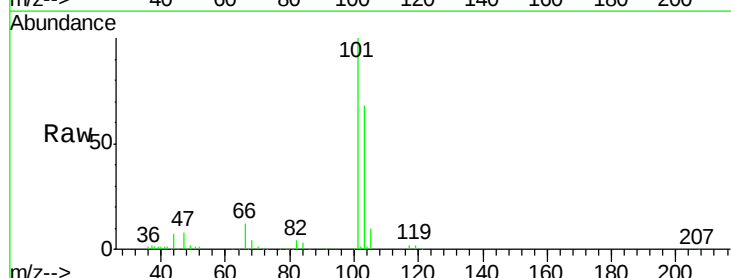
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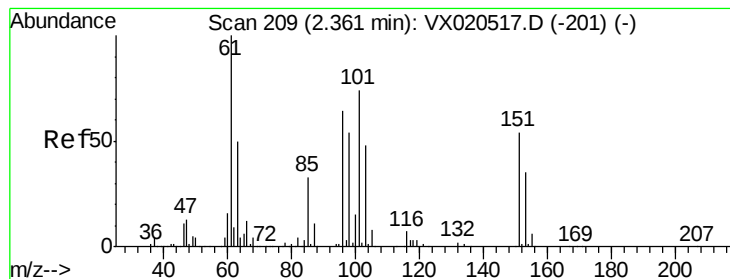
Tgt Ion: 101 Resp: 35779

Ion Ratio Lower Upper

101 100

103 65.6 52.2 78.2





#10

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

Concen: 8.842 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

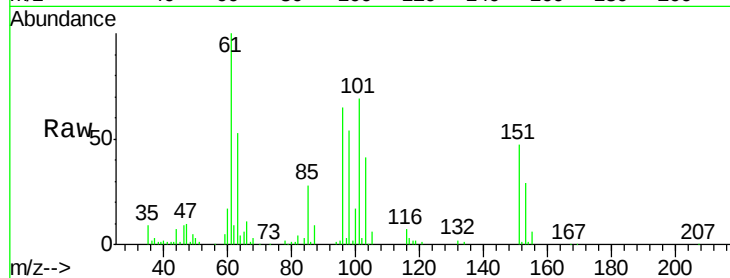
Tgt Ion: 101 Resp: 22196

Ion Ratio Lower Upper

101 100

85 42.3 34.3 51.5

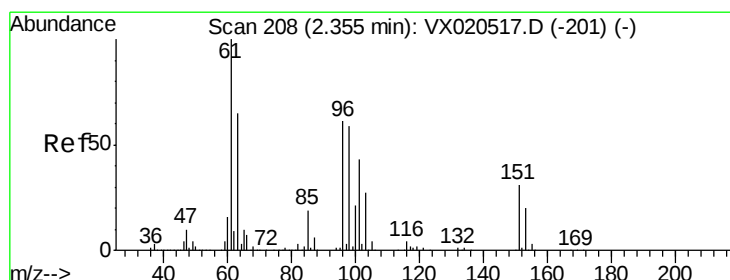
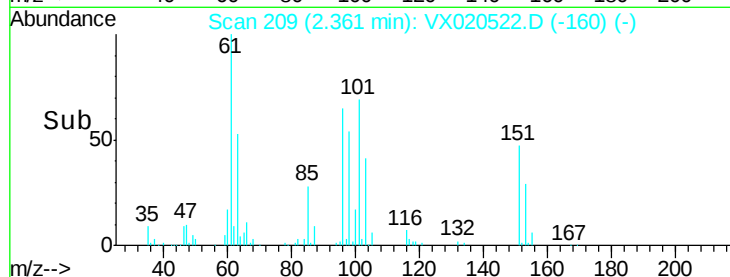
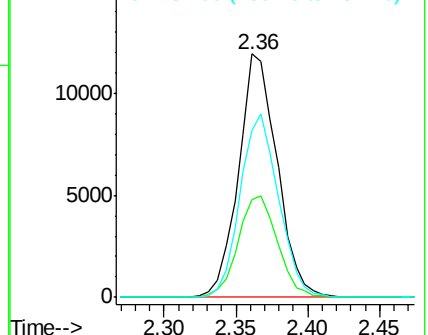
151 74.9 60.7 91.1



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: 8.650 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

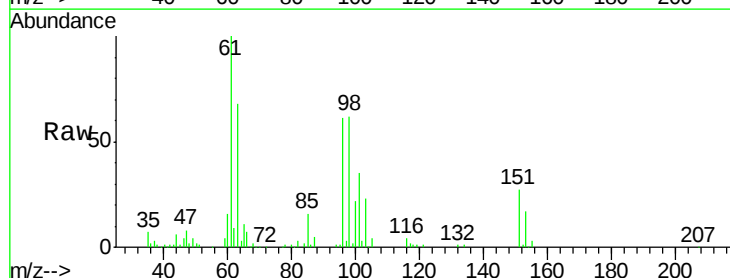
Tgt Ion: 96 Resp: 21225

Ion Ratio Lower Upper

96 100

61 164.8 115.5 214.5

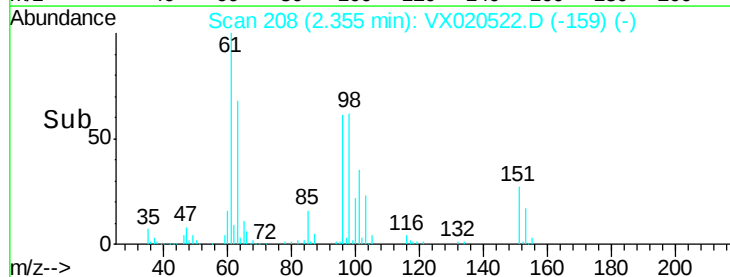
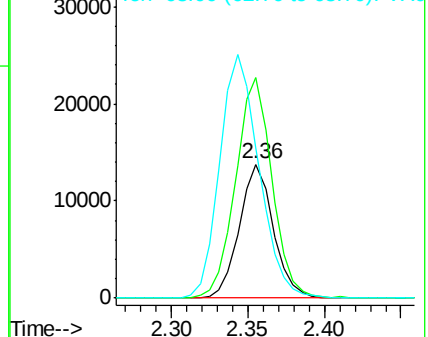
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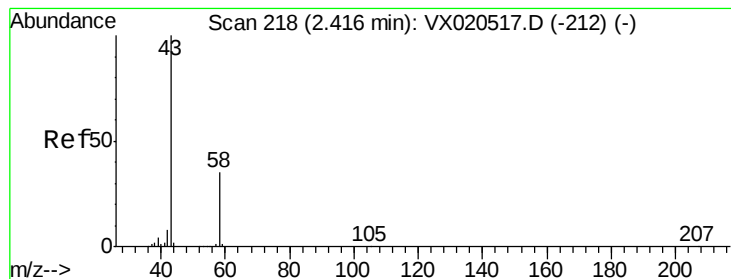


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 18.769 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

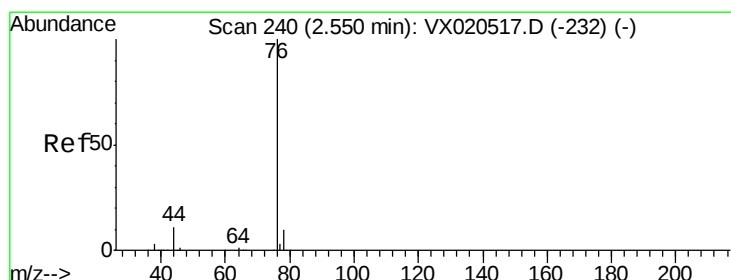
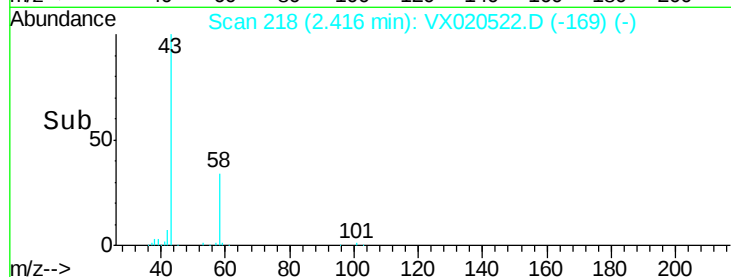
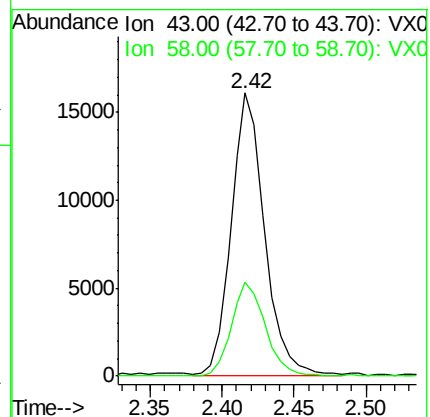
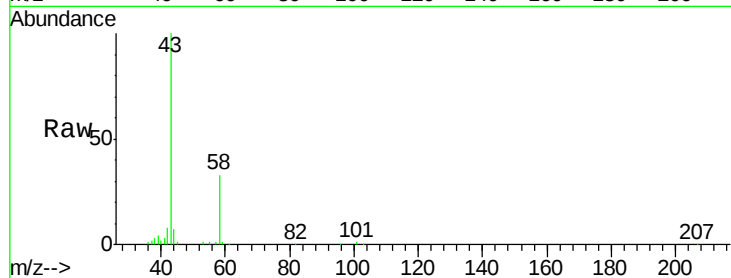
VSTD010404

Tgt Ion: 43 Resp: 26083

Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.2



#14

Carbon disulfide

Concen: 8.850 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020522.D

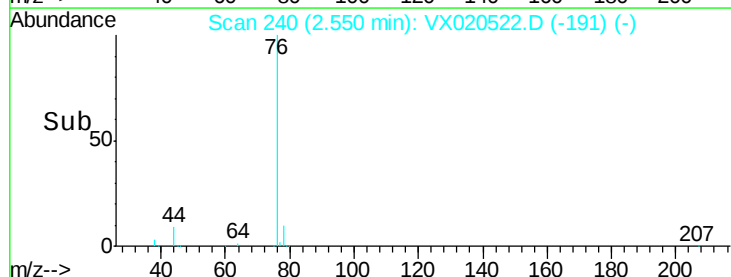
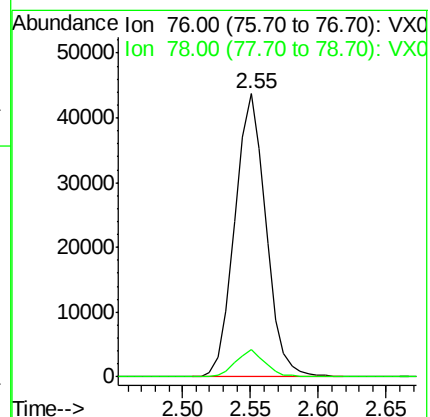
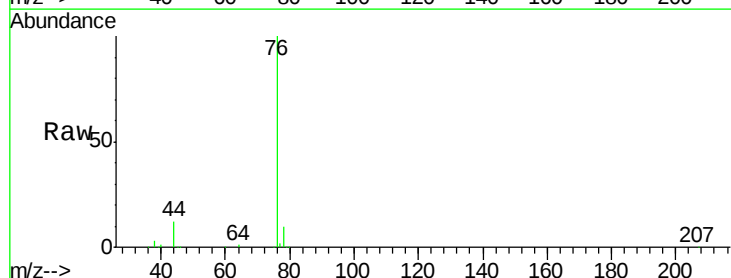
Acq: 06 Jan 2021 16:06

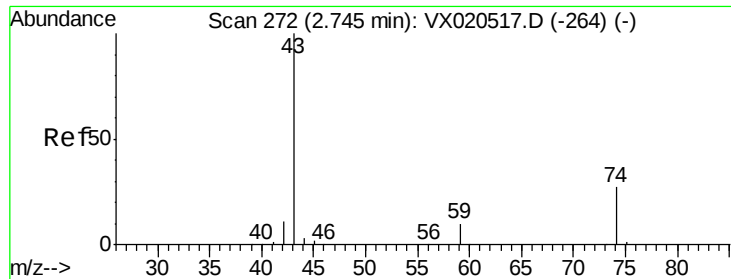
Tgt Ion: 76 Resp: 69690

Ion Ratio Lower Upper

76 100

78 9.8 7.6 11.4

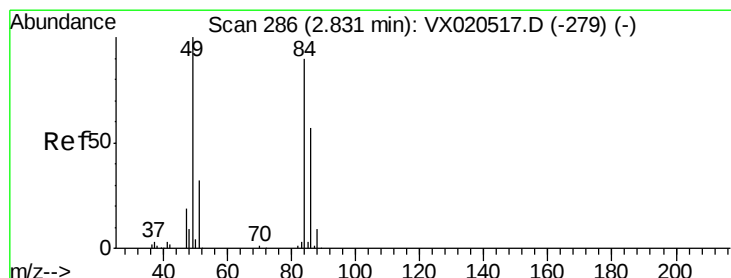
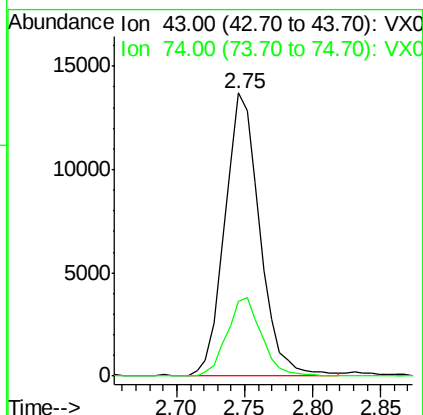
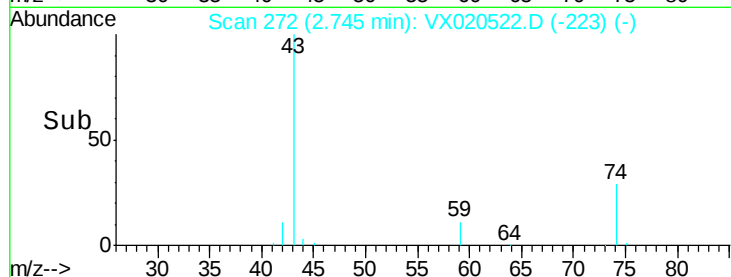
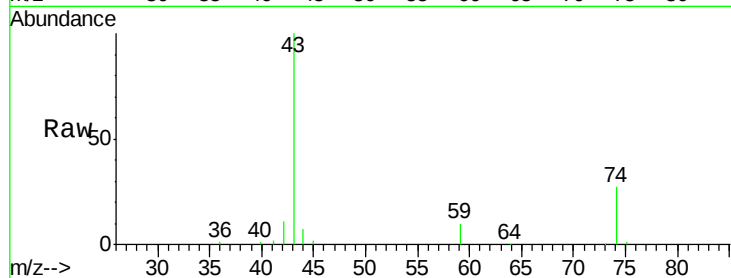




#15
Methyl Acetate
Concen: 8.874 ug/L
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

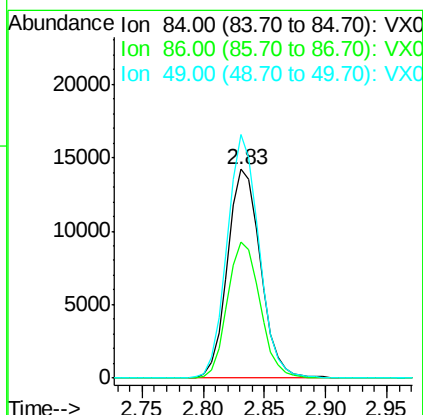
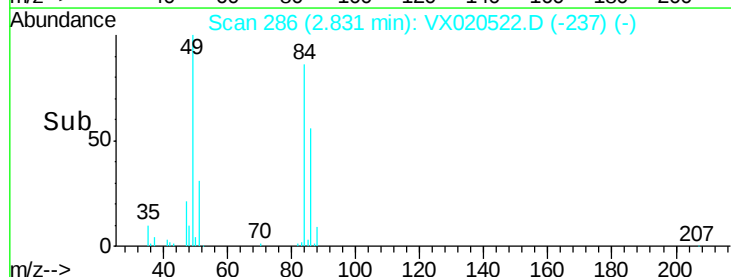
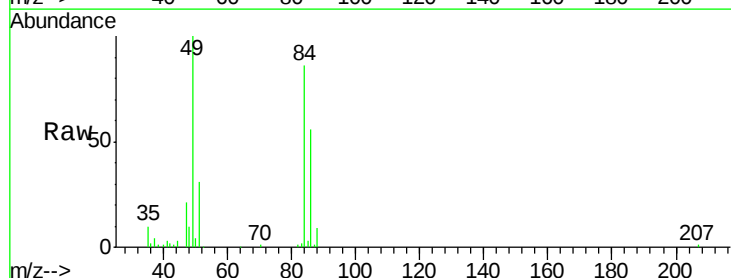
Instrument :
MSVOA_X
ClientSampleId :
VSTD010404

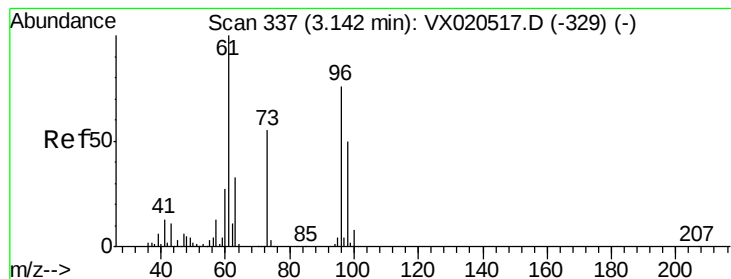
Tgt Ion: 43 Resp: 24554
Ion Ratio Lower Upper
43 100
74 27.4 21.7 32.5



#16
Methylene chloride
Concen: 9.062 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

Tgt Ion: 84 Resp: 26586
Ion Ratio Lower Upper
84 100
86 65.3 44.2 82.0
49 116.7 77.8 144.6





#17

trans-1,2-Dichloroethene

Concen: 8.683 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

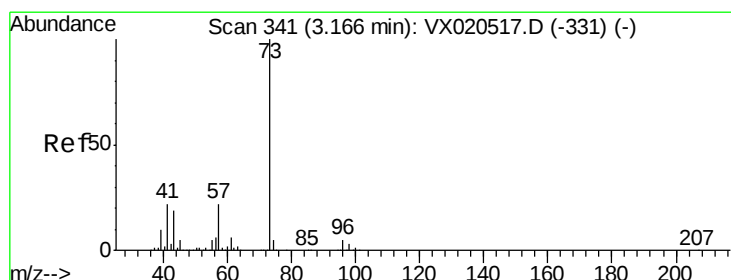
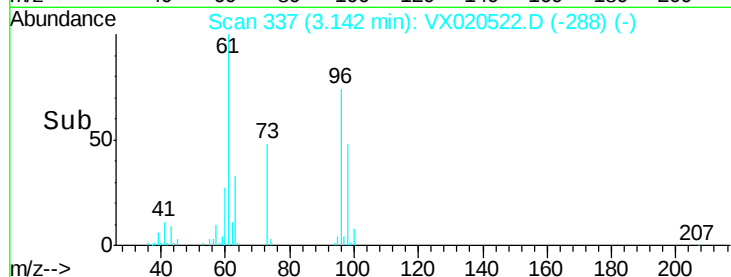
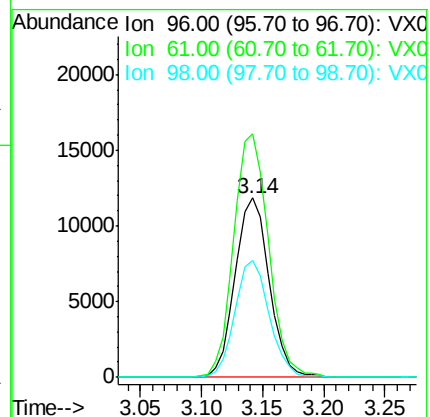
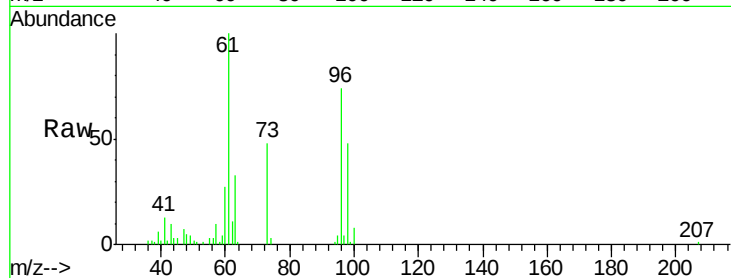
Tgt Ion: 96 Resp: 22934

Ion Ratio Lower Upper

96 100

61 135.9 92.3 171.3

98 64.9 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 8.456 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

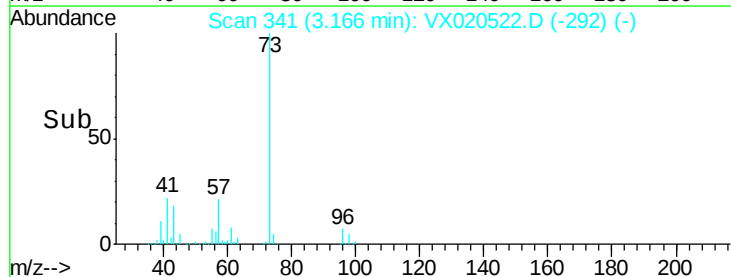
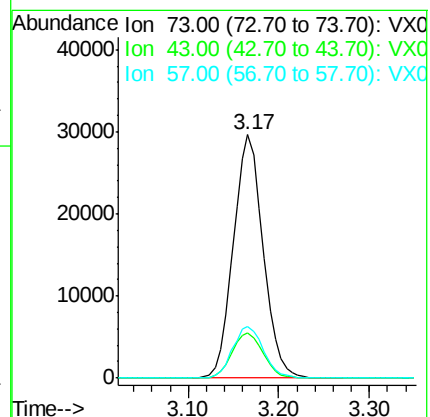
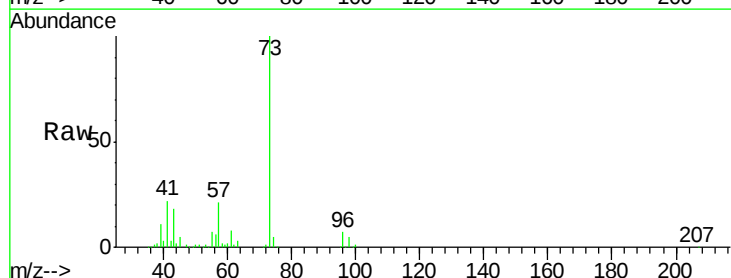
Tgt Ion: 73 Resp: 67497

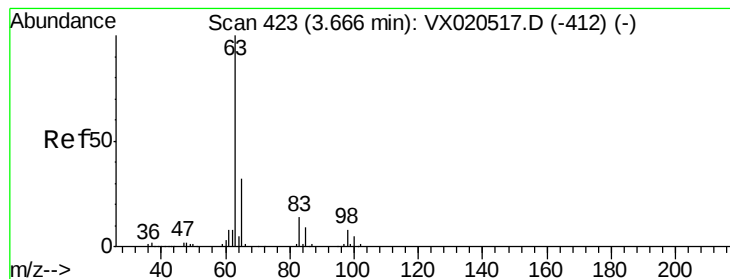
Ion Ratio Lower Upper

73 100

43 19.4 15.1 22.7

57 21.9 17.4 26.2





#19

1,1-Dichloroethane

Concen: 8.855 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

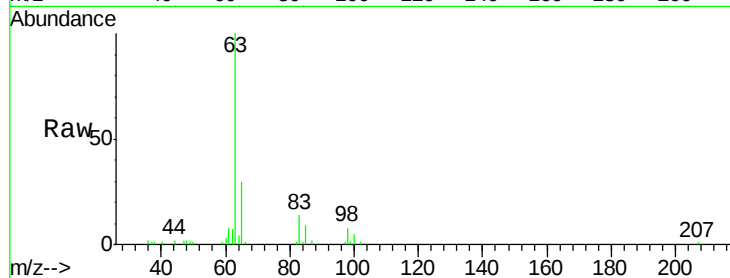
Tgt Ion: 63 Resp: 42311

Ion Ratio Lower Upper

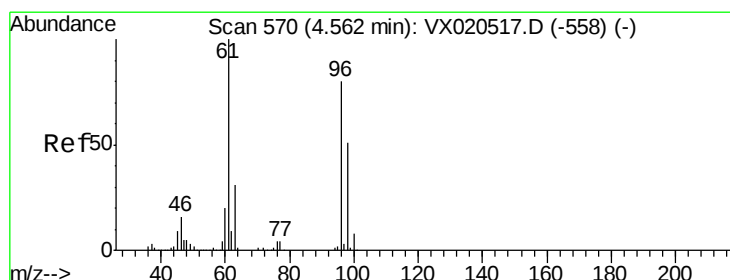
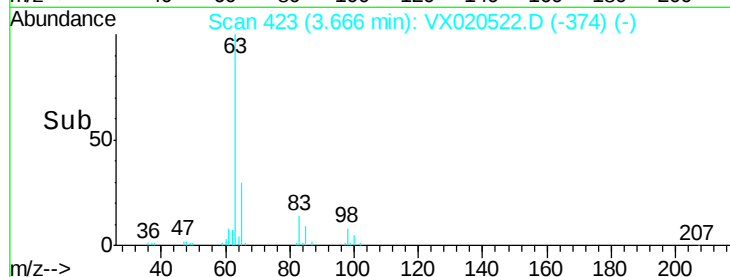
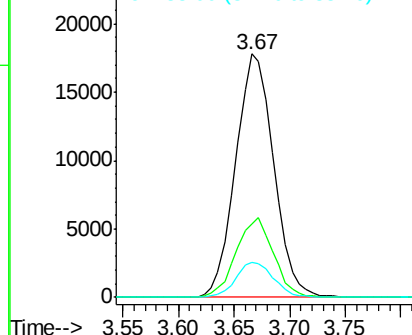
63 100

65 30.3 22.4 41.6

83 14.1 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 65.00 (64.70 to 65.70): VX0
Ion 83.00 (82.70 to 83.70): VX0



#20

cis-1,2-Dichloroethene

Concen: 8.688 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

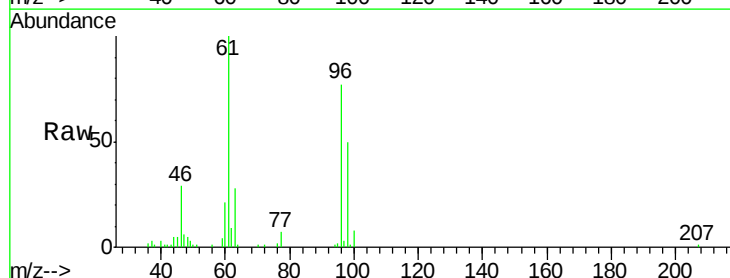
Tgt Ion: 96 Resp: 25094

Ion Ratio Lower Upper

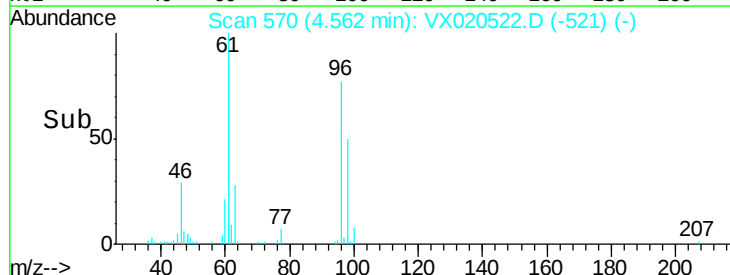
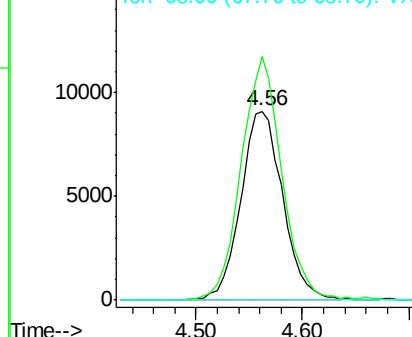
96 100

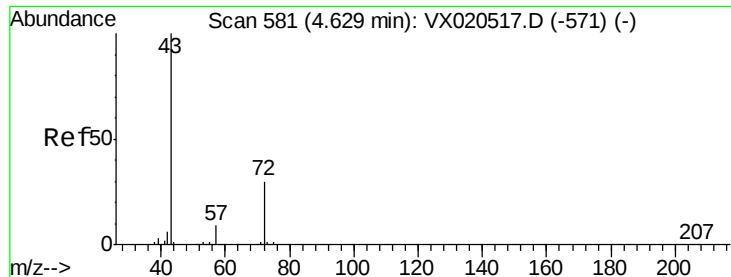
61 129.0 87.8 163.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 17.541 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampled :

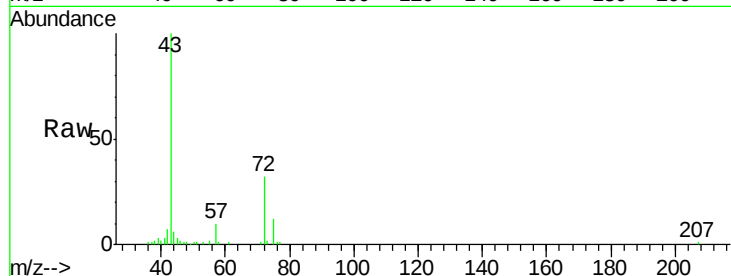
VSTD010404

Tgt Ion: 43 Resp: 36027

Ion Ratio Lower Upper

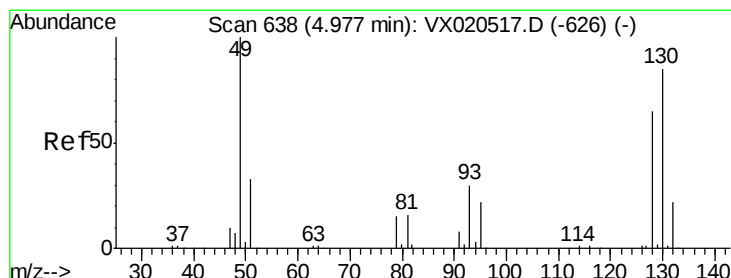
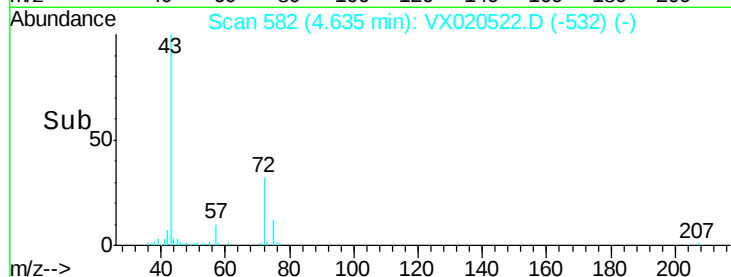
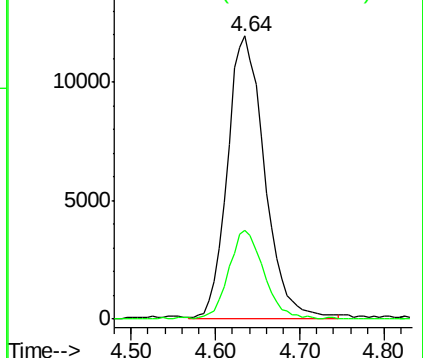
43 100

72 29.4 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: 8.798 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Tgt Ion: 128 Resp: 13141

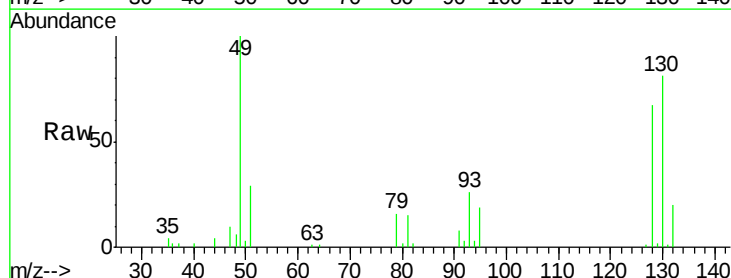
Ion Ratio Lower Upper

128 100

49 148.2 107.5 199.7

130 119.3 91.1 169.3

51 43.3 40.3 60.5

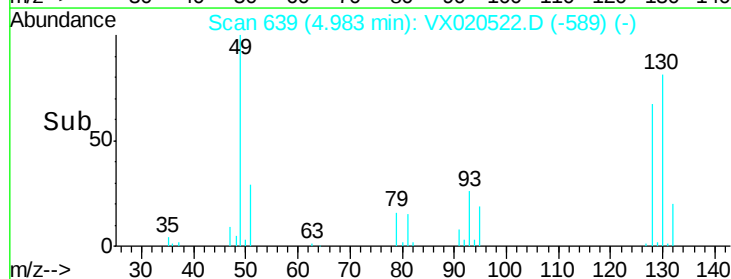
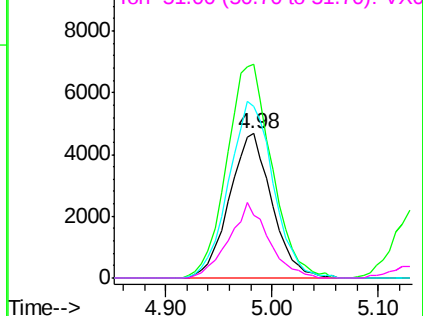


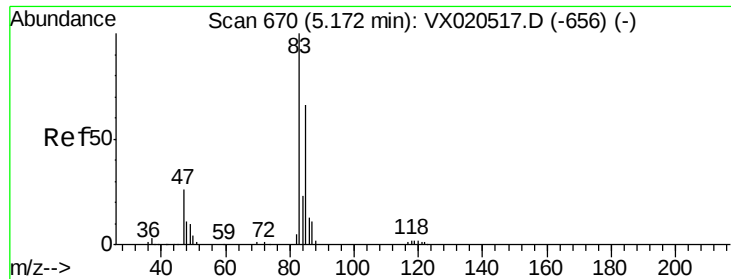
Abundance Ion 128.00 (127.70 to 128.70): V

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

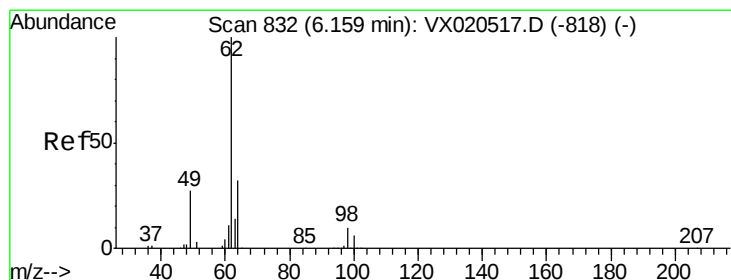
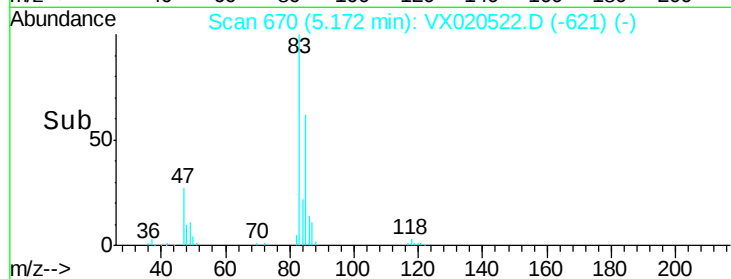
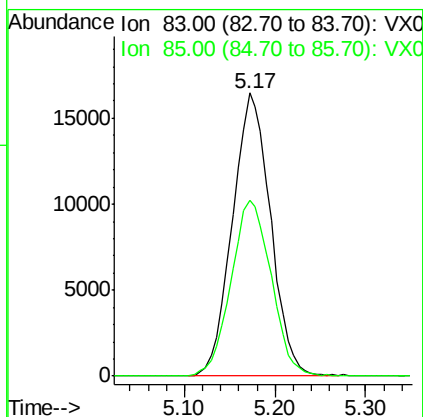
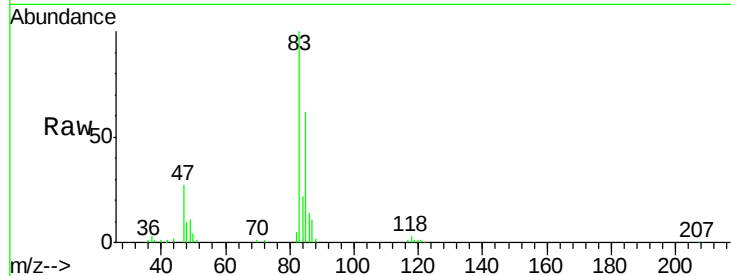




#25
Chloroform
Concen: 9.201 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

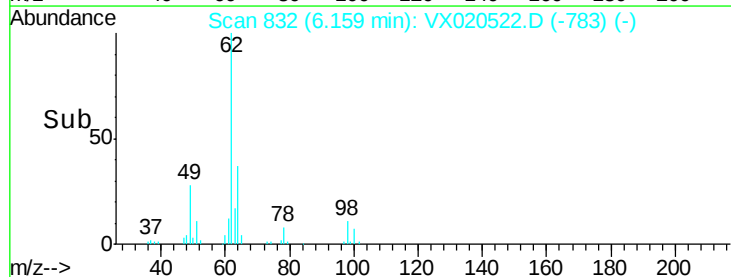
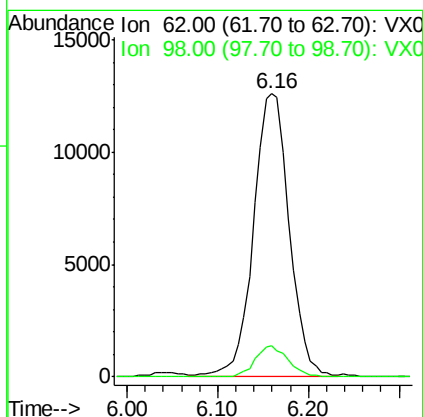
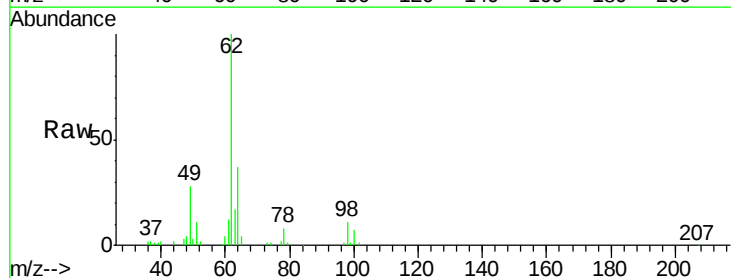
Instrument :
MSVOA_X
ClientSampleId :
VSTD010404

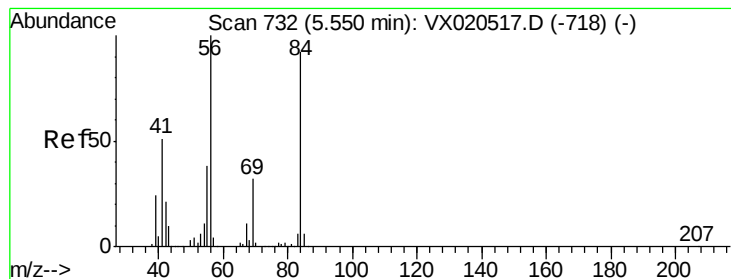
Tgt Ion: 83 Resp: 47991
Ion Ratio Lower Upper
83 100
85 62.1 46.3 85.9



#27
1,2-Dichloroethane
Concen: 8.966 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

Tgt Ion: 62 Resp: 34483
Ion Ratio Lower Upper
62 100
98 10.8 7.9 11.9





#29

Cyclohexane

Concen: 8.280 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

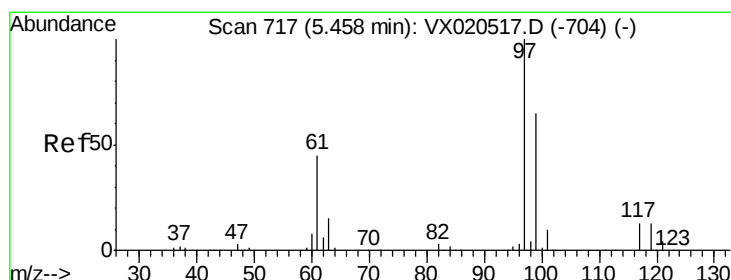
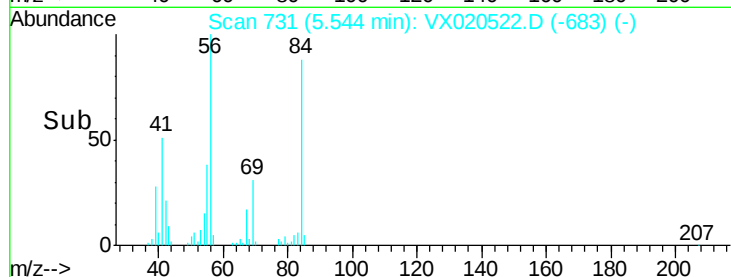
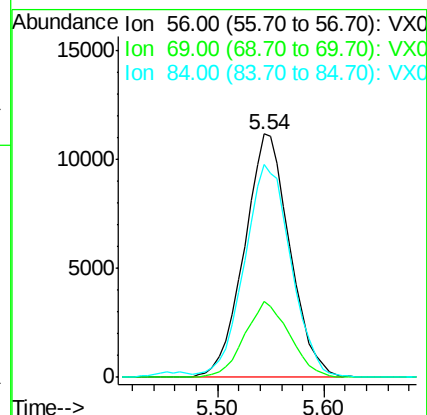
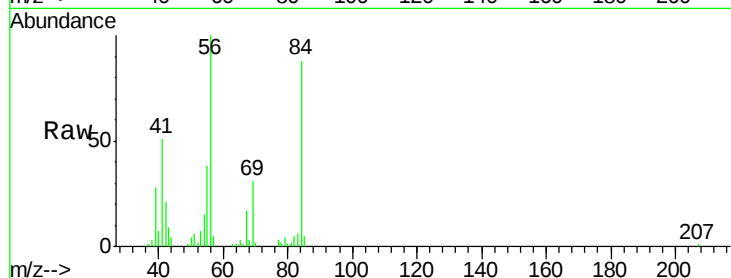
Tgt Ion: 56 Resp: 33382

Ion Ratio Lower Upper

56 100

69 30.9 25.7 38.5

84 89.8 72.4 108.6



#30

1,1,1-Trichloroethane

Concen: 8.929 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

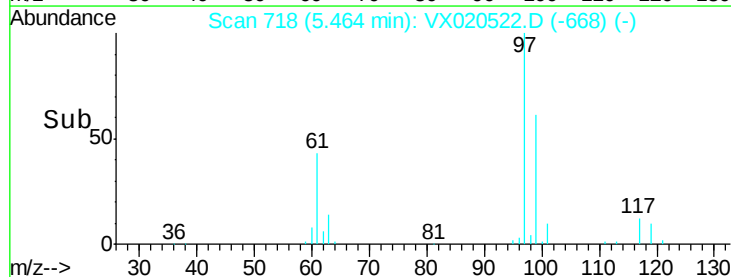
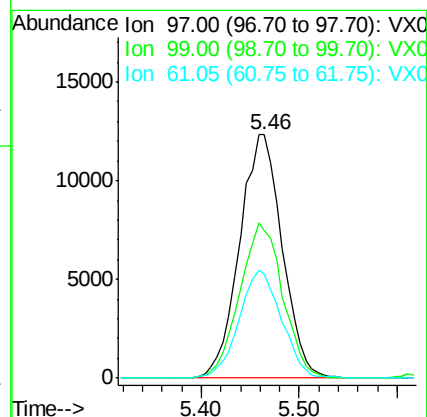
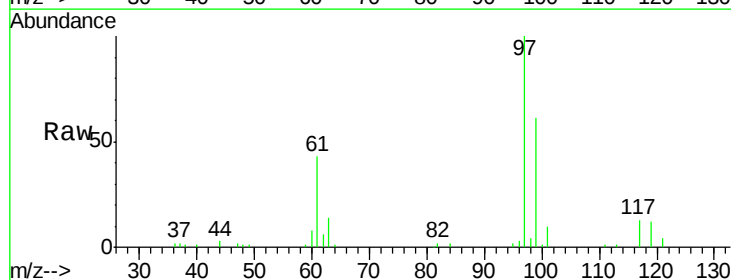
Tgt Ion: 97 Resp: 37314

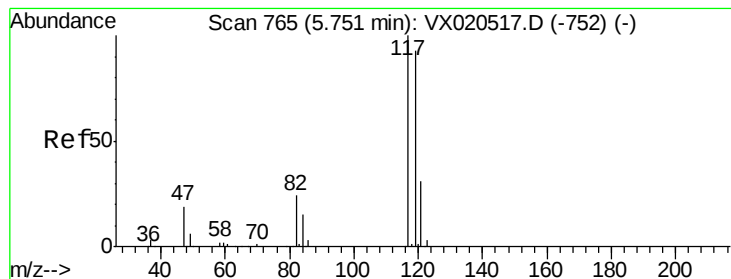
Ion Ratio Lower Upper

97 100

99 64.2 52.1 78.1

61 43.9 35.3 52.9





#31

Carbon tetrachloride

Concen: 8.760 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

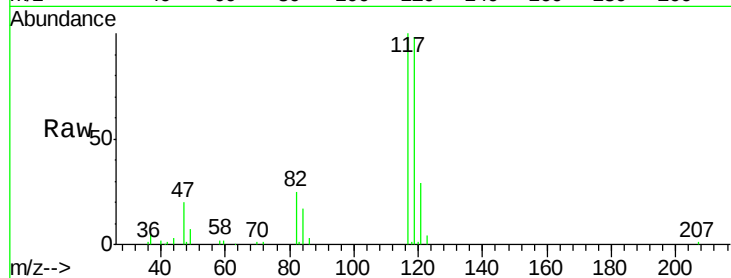
VSTD010404

Tgt Ion:117 Resp: 30955

Ion Ratio Lower Upper

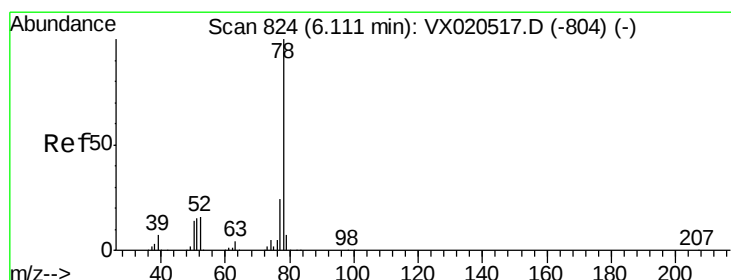
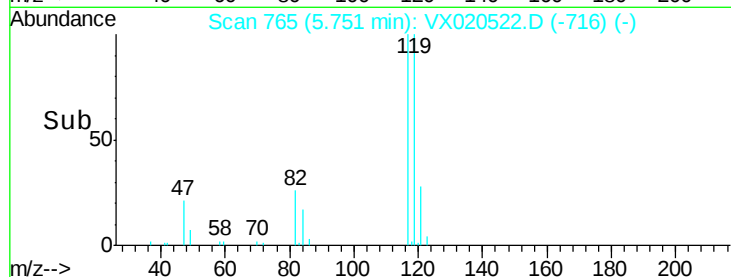
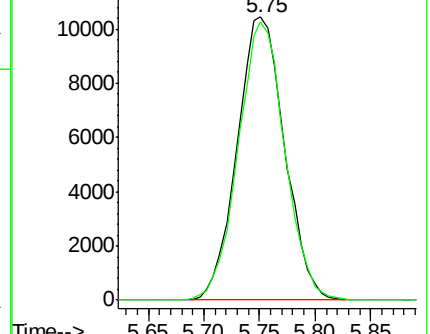
117 100

119 96.5 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: 8.925 ug/L

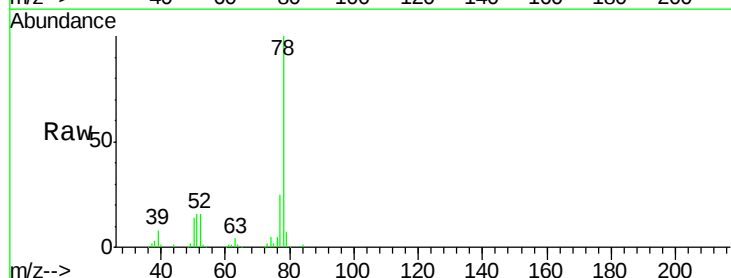
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

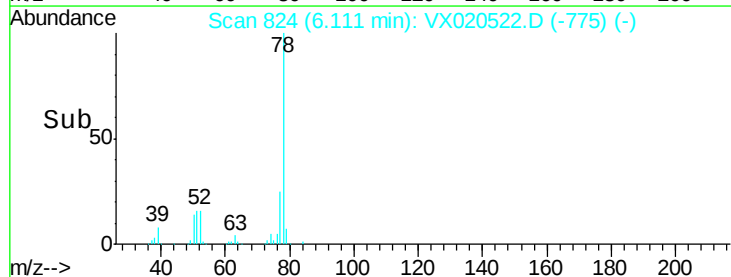
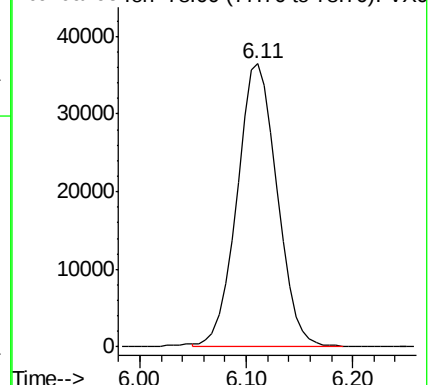
Lab File: VX020522.D

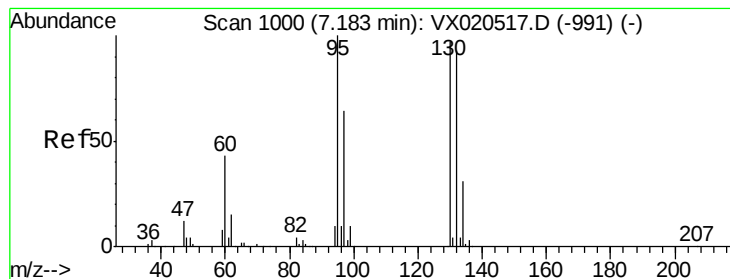
Acq: 06 Jan 2021 16:06

Tgt Ion: 78 Resp: 96452



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 8.962 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

Tgt Ion: 95 Resp: 24665

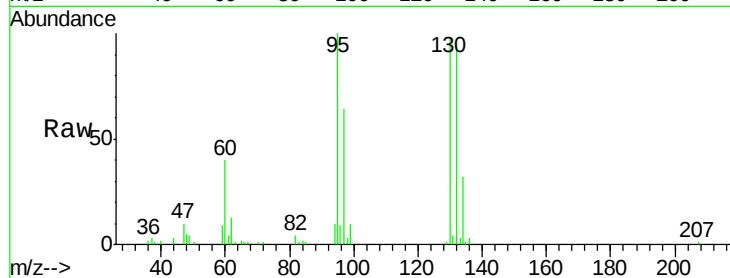
Ion Ratio Lower Upper

95 100

97 64.1 44.5 82.7

132 94.6 65.2 121.0

130 98.2 67.7 125.7

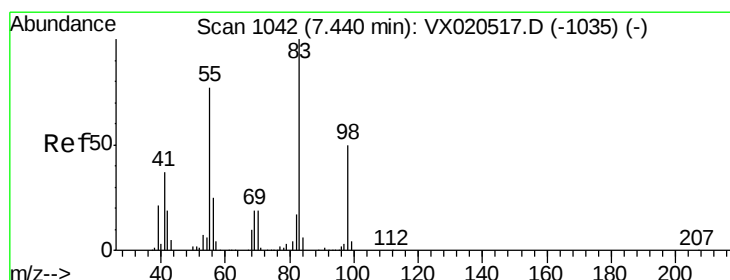
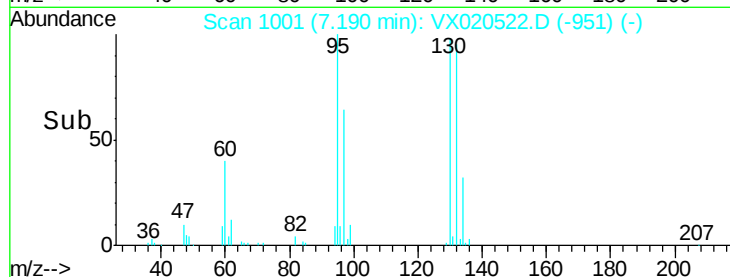
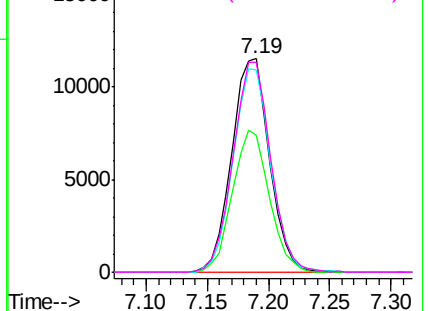


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 8.099 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

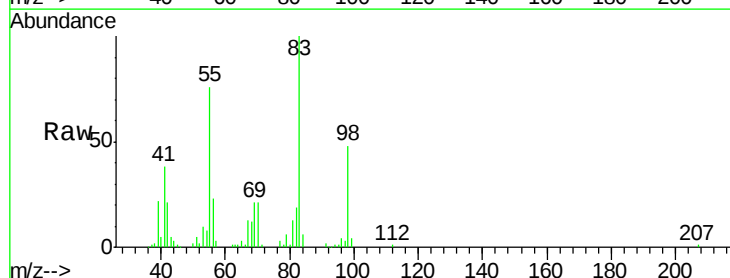
Tgt Ion: 83 Resp: 33511

Ion Ratio Lower Upper

83 100

55 76.6 61.2 91.8

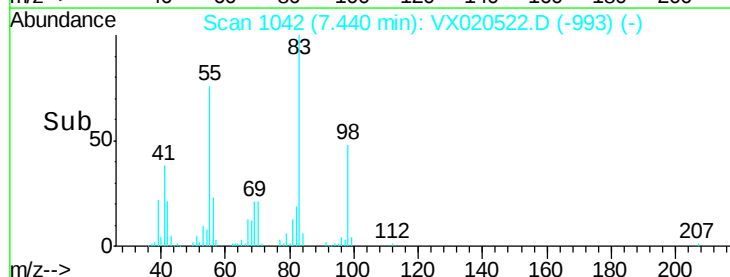
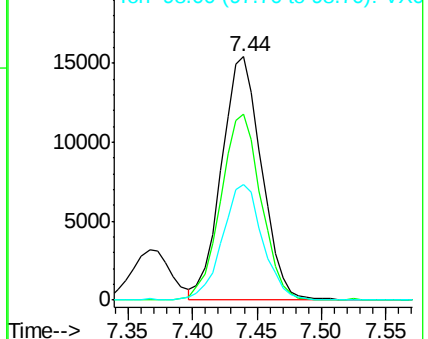
98 47.8 38.7 58.1

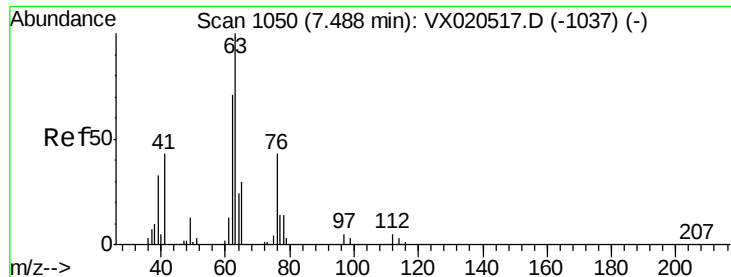


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 8.983 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

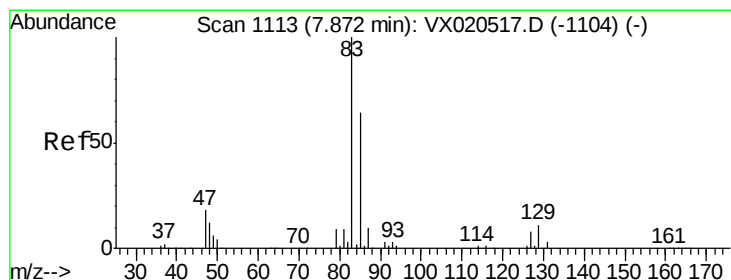
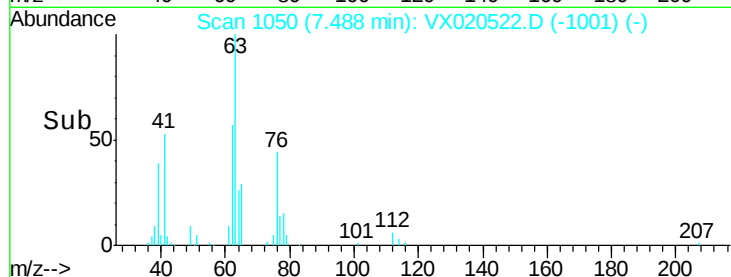
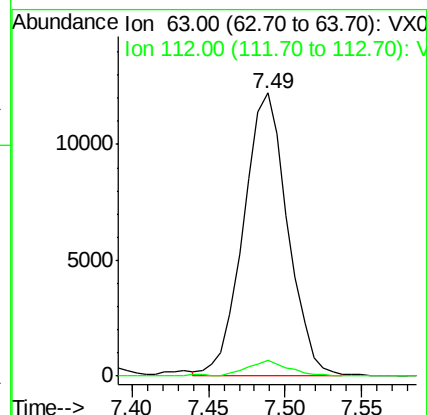
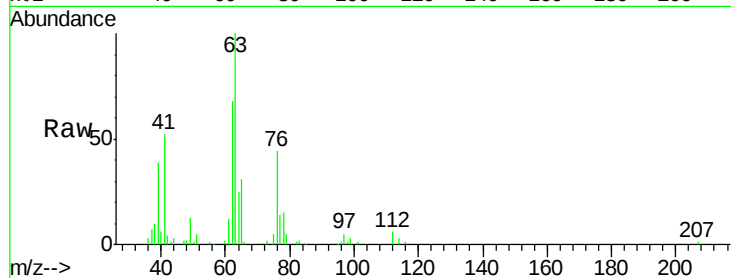
VSTD010404

Tgt Ion: 63 Resp: 24625

Ion Ratio Lower Upper

63 100

112 5.1 3.6 5.4



#38

Bromodichloromethane

Concen: 8.690 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

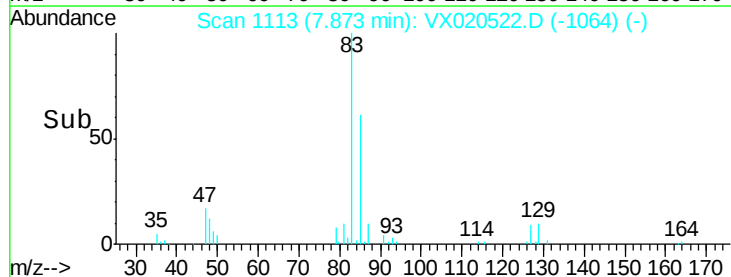
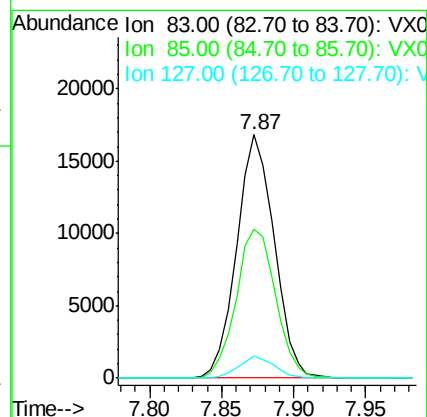
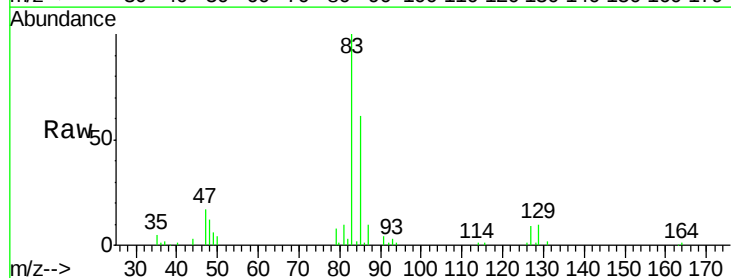
Tgt Ion: 83 Resp: 30591

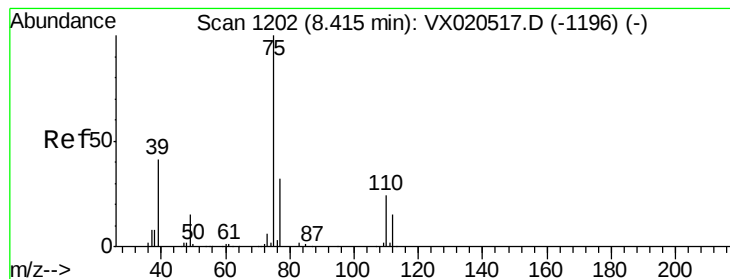
Ion Ratio Lower Upper

83 100

85 61.3 45.1 83.7

127 8.9 6.6 10.0



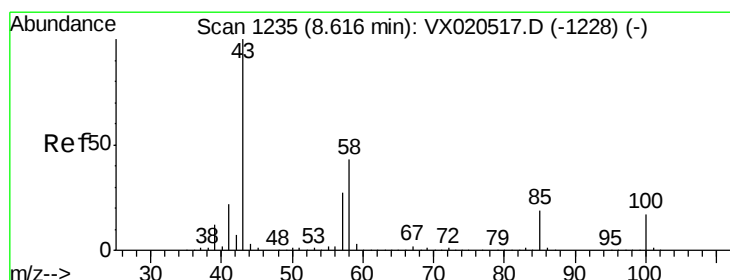
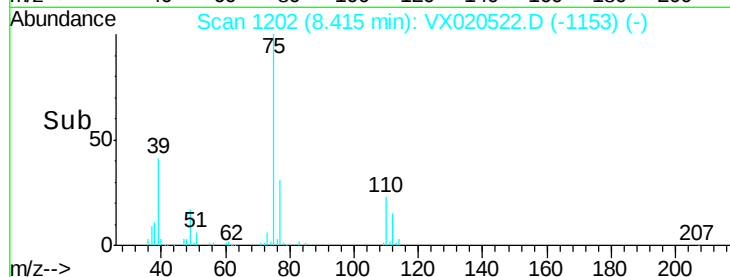
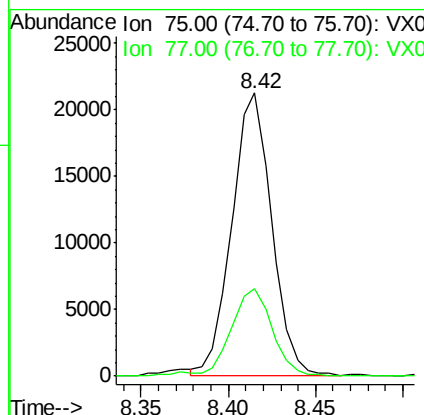
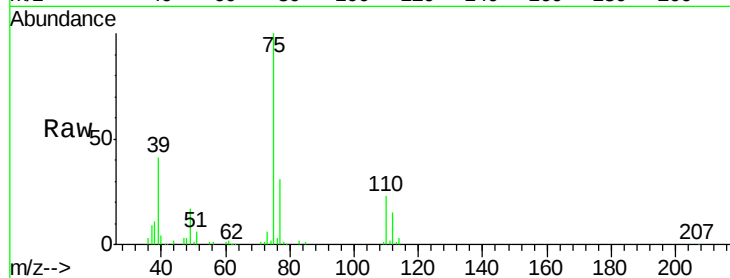


#39

cis-1,3-Dichloropropene
 Concen: 8.196 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX020522.D
 Acq: 06 Jan 2021 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

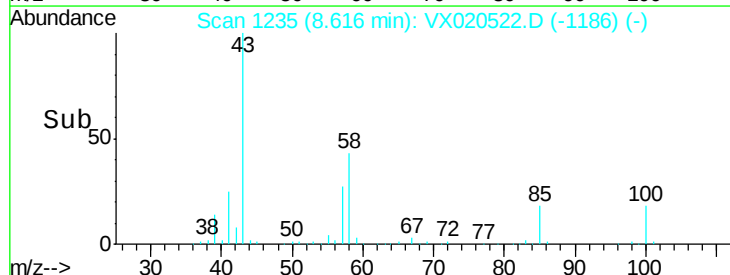
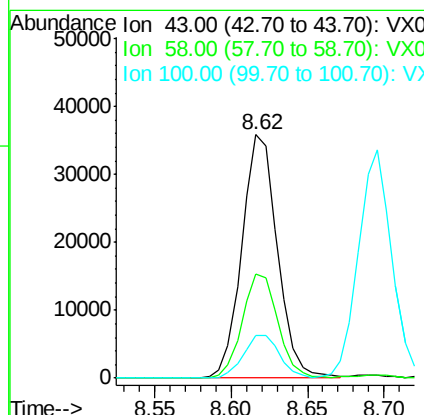
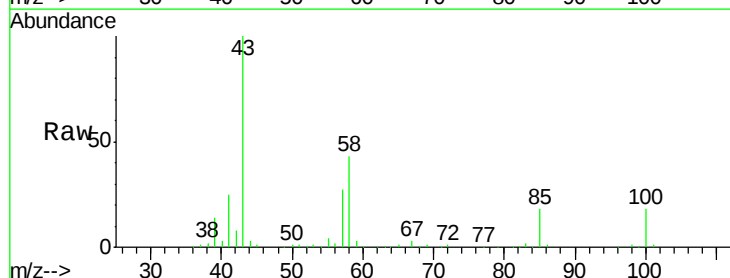
Tgt Ion: 75 Resp: 33788
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.7 42.3

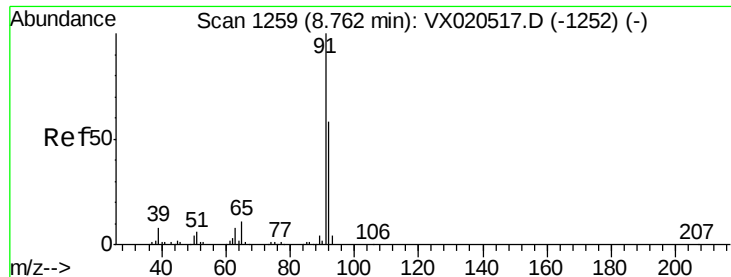


#40

4-Methyl-2-pentanone
 Concen: 16.072 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX020522.D
 Acq: 06 Jan 2021 16:06

Tgt Ion: 43 Resp: 57887
 Ion Ratio Lower Upper
 43 100
 58 42.9 35.0 52.4
 100 18.0 14.2 21.4





#42

Toluene

Concen: 8.495 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

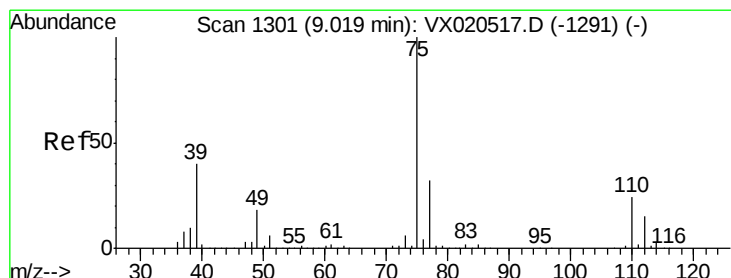
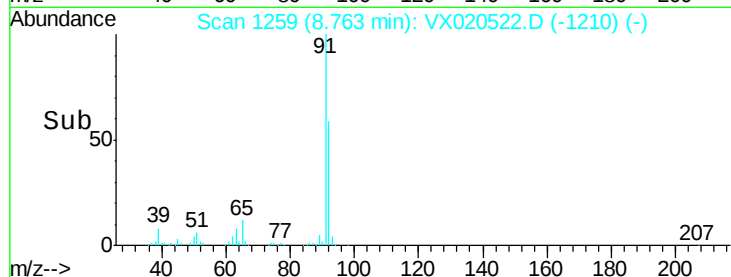
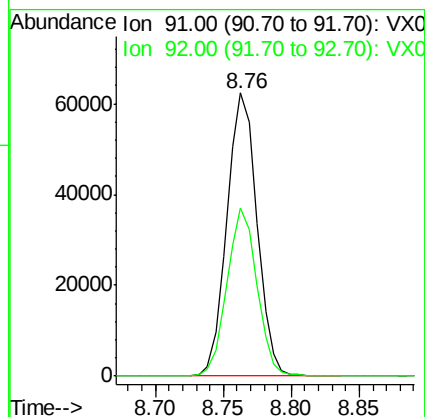
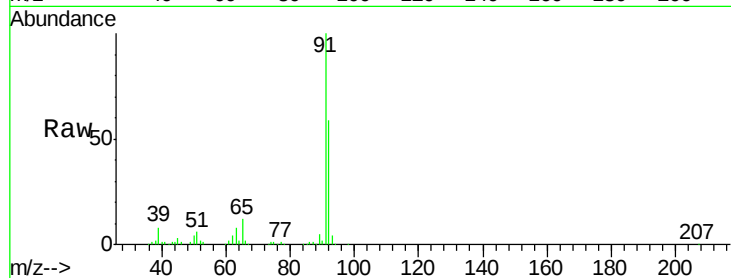
VSTD010404

Tgt Ion: 91 Resp: 96183

Ion Ratio Lower Upper

91 100

92 59.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 8.093 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020522.D

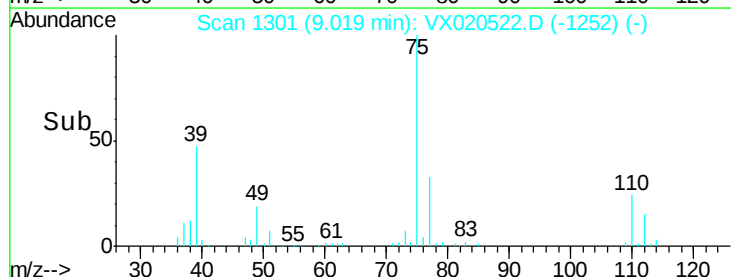
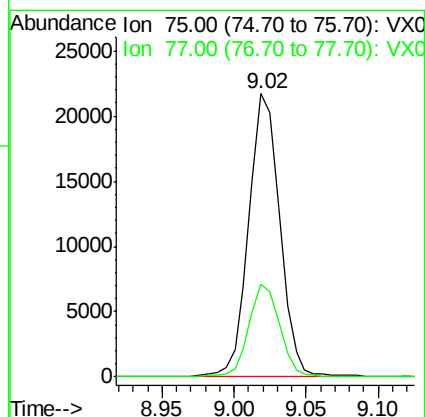
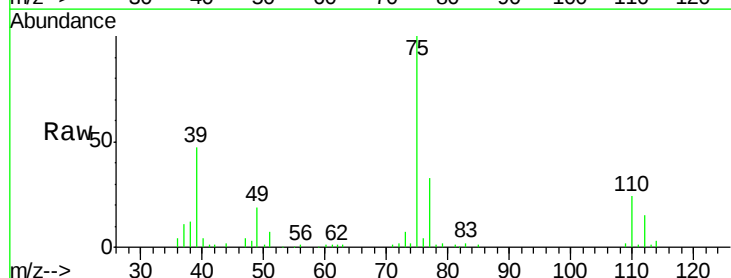
Acq: 06 Jan 2021 16:06

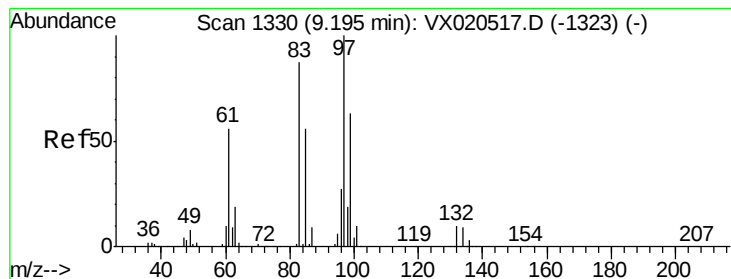
Tgt Ion: 75 Resp: 32571

Ion Ratio Lower Upper

75 100

77 32.7 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 8.979 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampled :

VSTD010404

Tgt Ion: 97 Resp: 24362

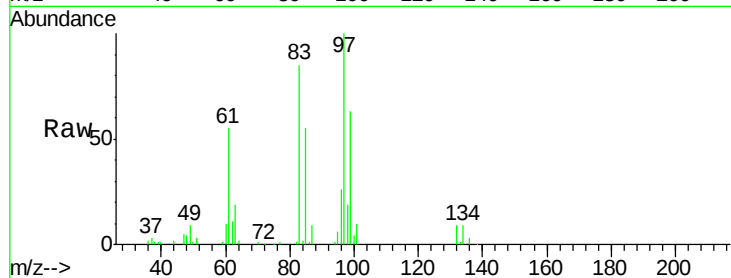
Ion Ratio Lower Upper

97 100

99 62.5 44.0 81.6

83 84.7 60.8 113.0

85 54.6 39.4 73.2



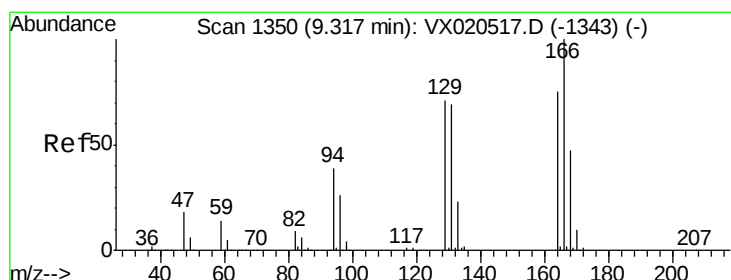
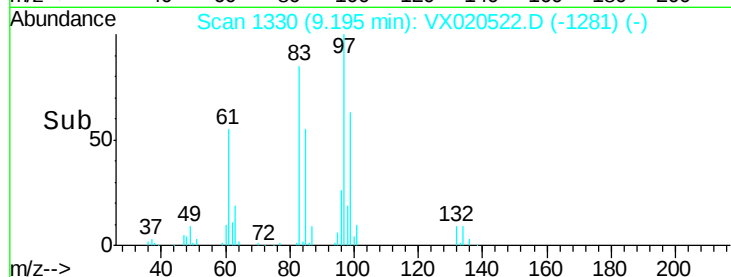
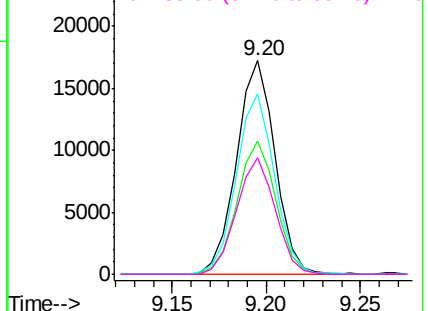
Abundance

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: 8.849 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Tgt Ion: 164 Resp: 18878

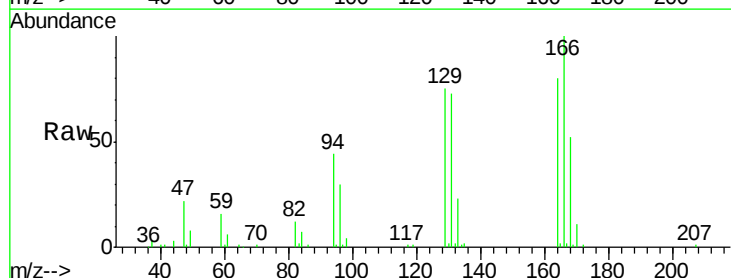
Ion Ratio Lower Upper

164 100

129 93.3 65.6 121.8

131 91.8 63.7 118.3

166 125.2 93.0 172.6



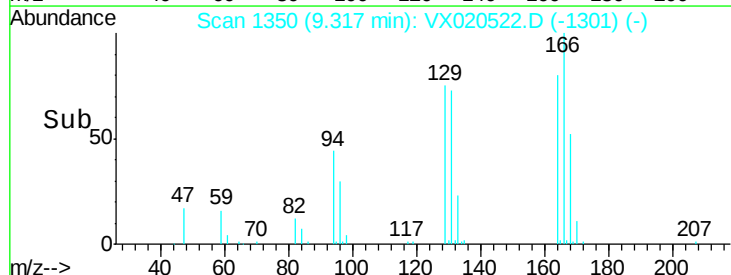
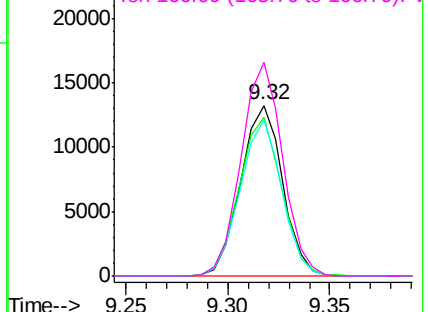
Abundance

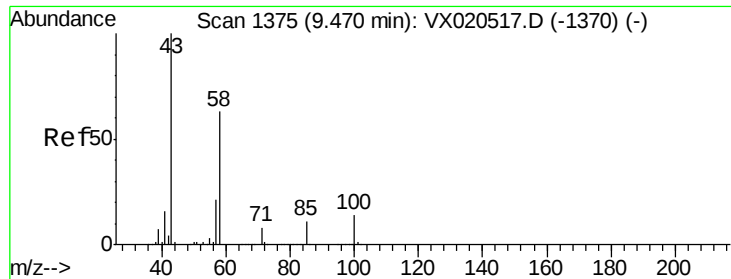
Ion 164.00 (163.70 to 164.70): V

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

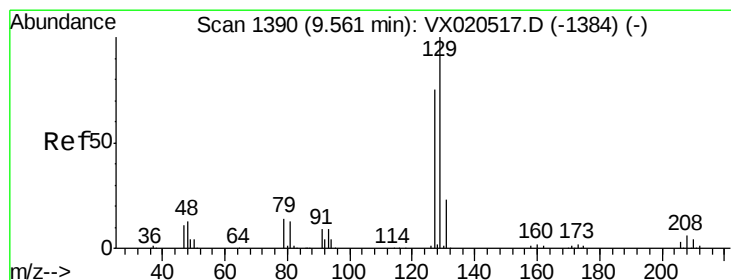
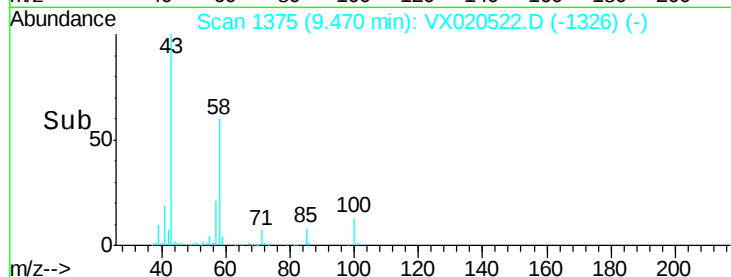
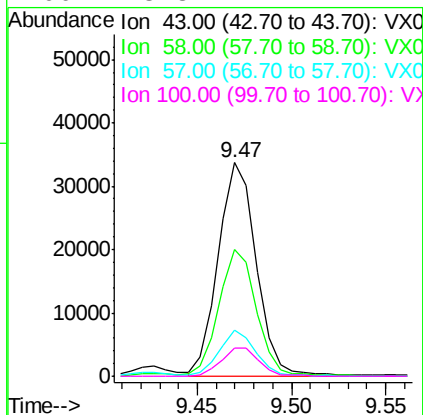
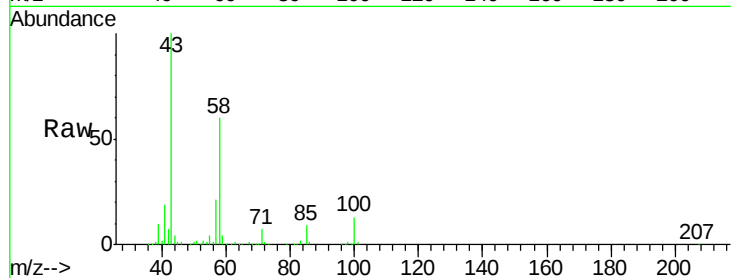




#48
2-Hexanone
Concen: 16.588 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

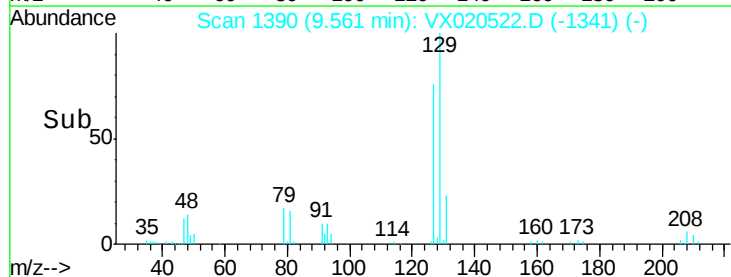
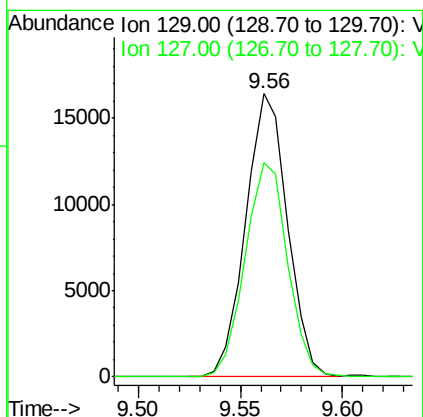
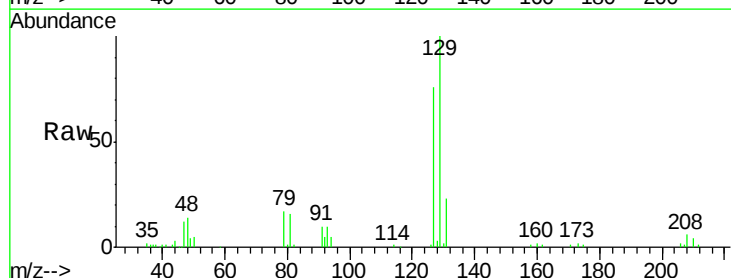
Instrument :
MSVOA_X
ClientSampled :
VSTD010404

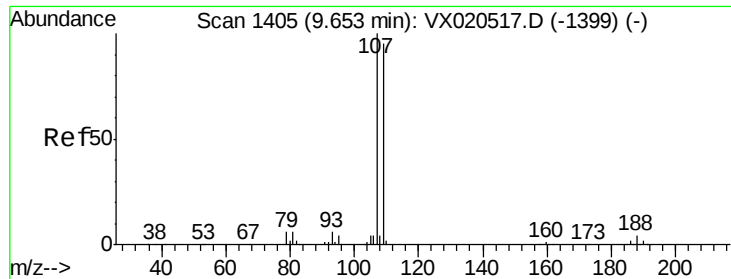
Tgt Ion:	43	Resp:	47213
Ion	Ratio	Lower	Upper
43	100		
58	59.3	50.1	75.1
57	21.0	17.3	25.9
100	13.3	11.4	17.2



#49
Dibromochloromethane
Concen: 8.438 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

Tgt Ion:	129	Resp:	23474
Ion	Ratio	Lower	Upper
129	100		
127	75.6	52.5	97.5

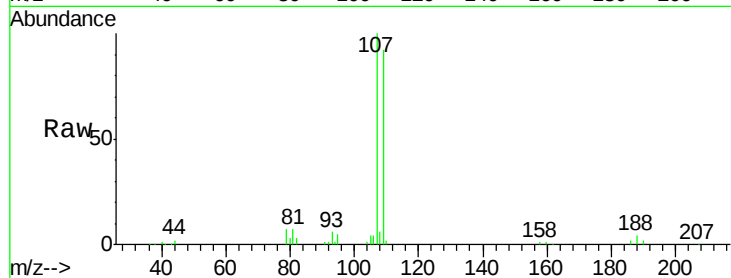




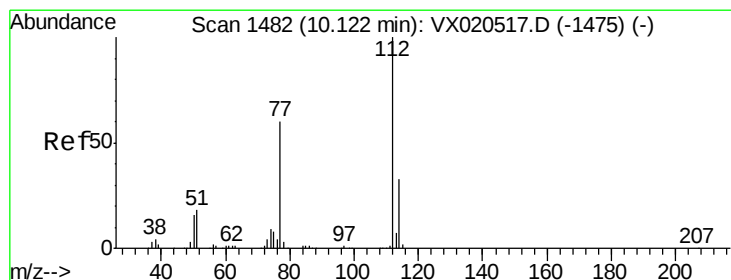
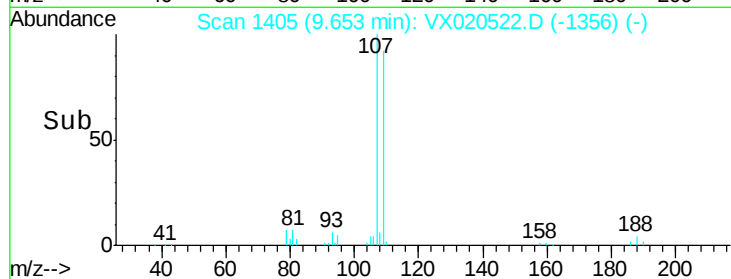
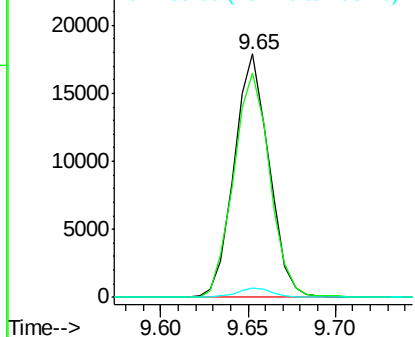
#50
1,2-Dibromoethane
Concen: 8.811 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

Instrument :
MSVOA_X
ClientSampleId :
VSTD010404

Tgt Ion:107 Resp: 24764
Ion Ratio Lower Upper
107 100
109 92.0 66.4 123.4
188 3.6 3.2 4.8

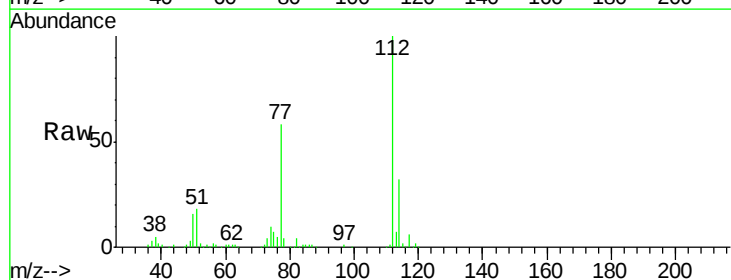


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

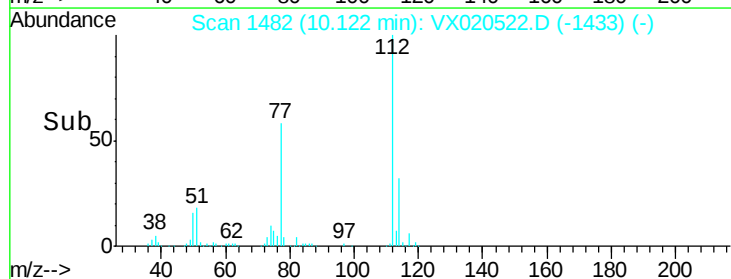
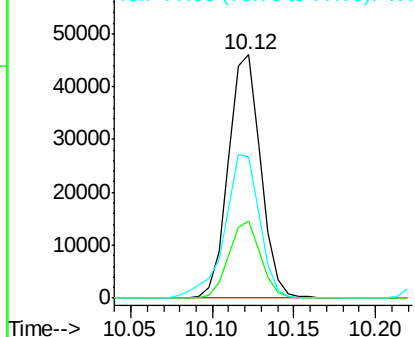


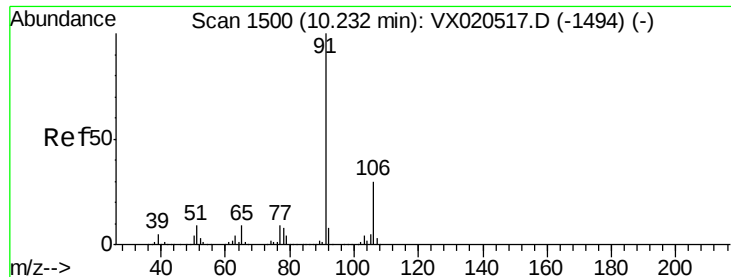
#51
Chlorobenzene
Concen: 8.855 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

Tgt Ion:112 Resp: 63476
Ion Ratio Lower Upper
112 100
114 31.5 23.2 43.2
77 58.2 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: 8.110 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

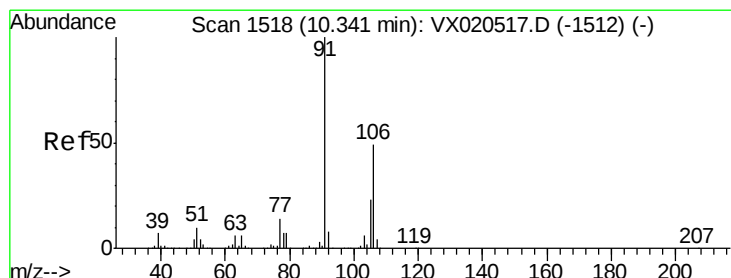
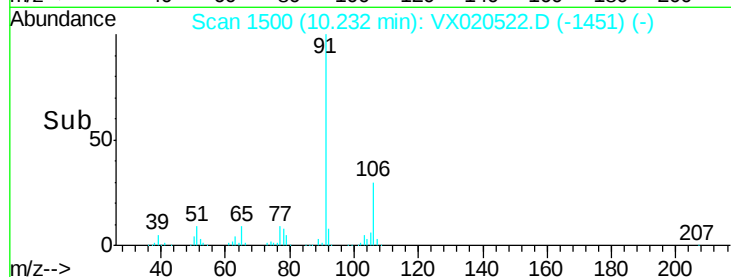
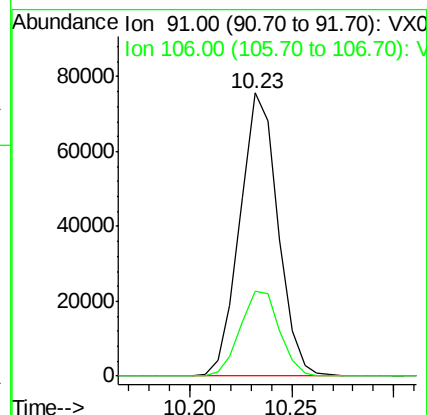
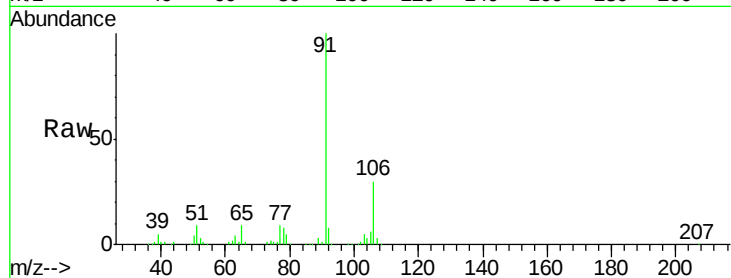
VSTD010404

Tgt Ion: 91 Resp: 98177

Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



#53

m,p-Xylene

Concen: 8.145 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020522.D

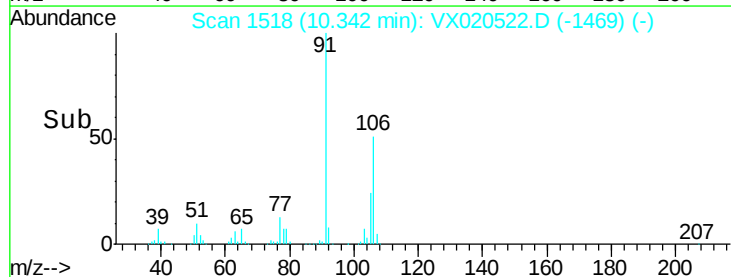
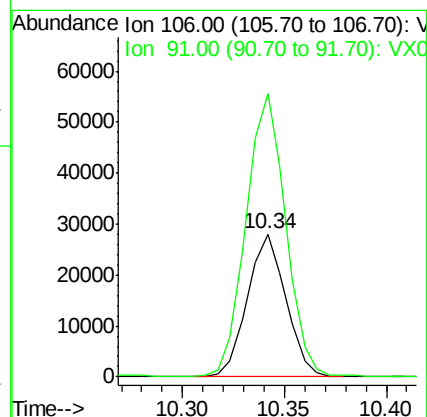
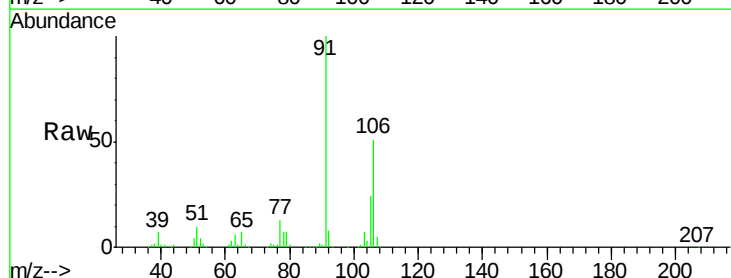
Acq: 06 Jan 2021 16:06

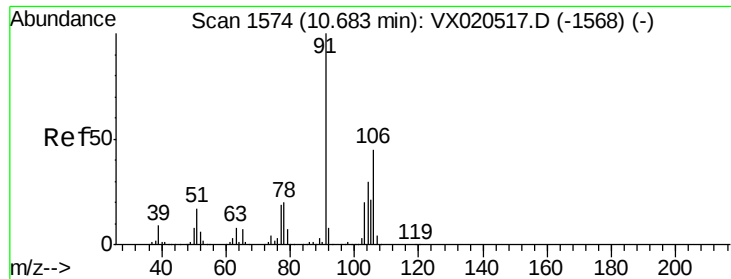
Tgt Ion: 106 Resp: 36839

Ion Ratio Lower Upper

106 100

91 197.7 142.5 264.6

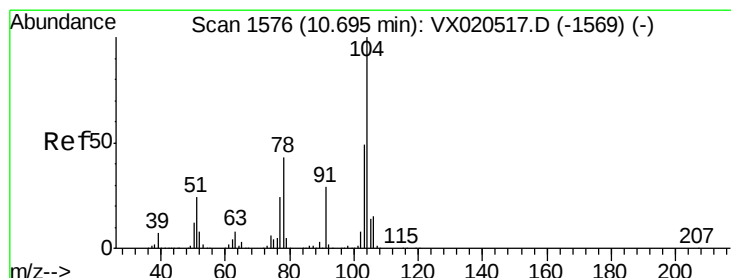
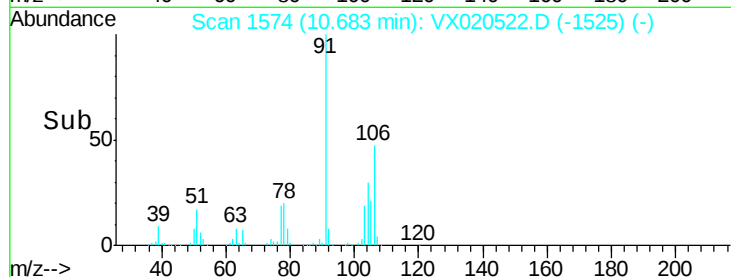
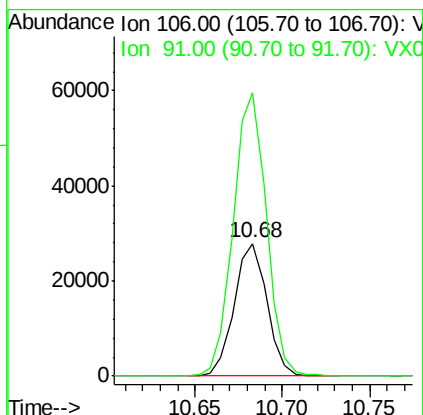
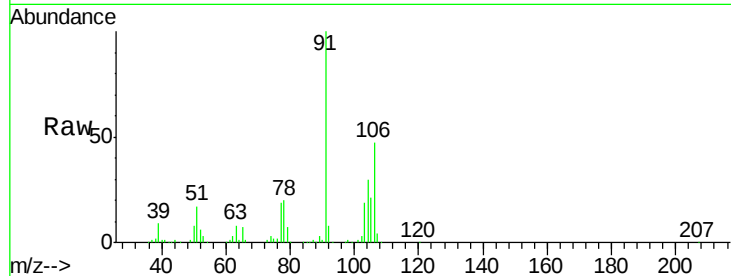




#54
o-Xylene
Concen: 8.286 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

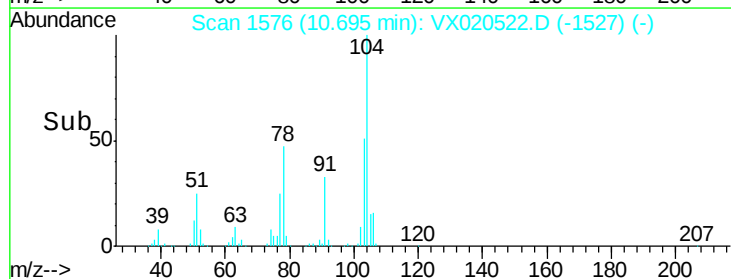
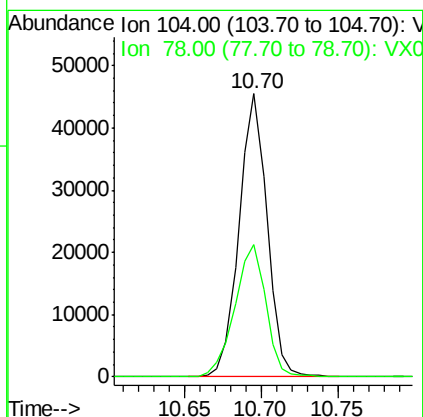
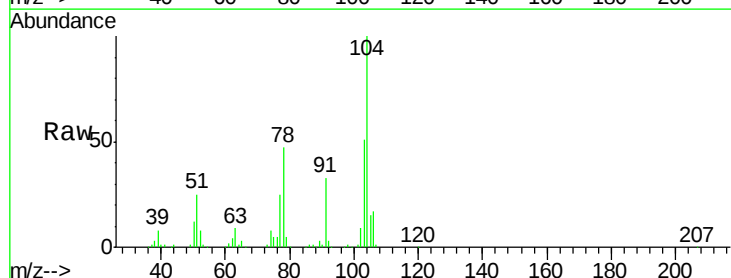
Instrument :
MSVOA_X
ClientSampleId :
VSTD010404

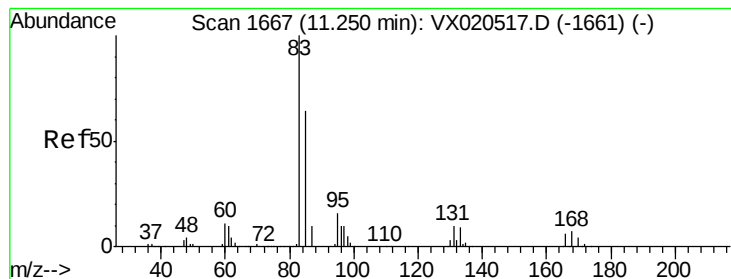
Tgt Ion:106 Resp: 36369
Ion Ratio Lower Upper
106 100
91 213.4 156.2 290.0



#55
Styrene
Concen: 7.814 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX020522.D
Acq: 06 Jan 2021 16:06

Tgt Ion:104 Resp: 58068
Ion Ratio Lower Upper
104 100
78 46.6 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 8.360 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

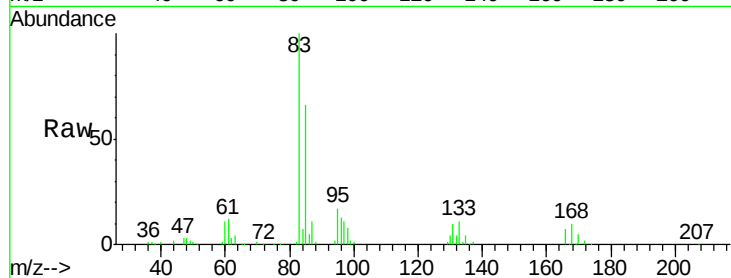
Tgt Ion: 83 Resp: 35994

Ion Ratio Lower Upper

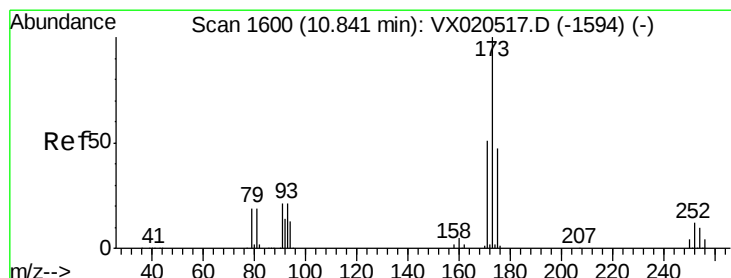
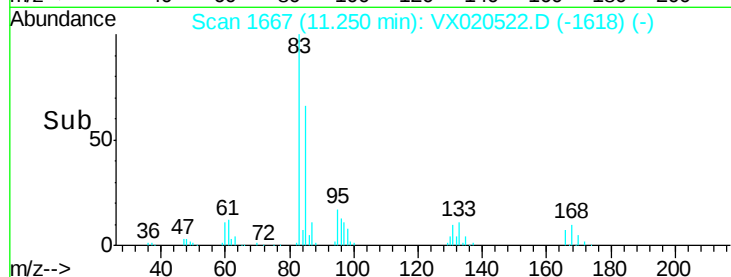
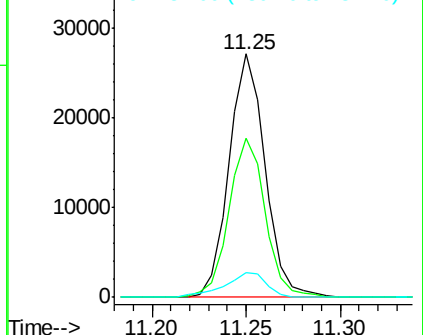
83 100

85 65.5 44.7 82.9

131 10.4 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 131.00 (130.70 to 131.70): V



#59

Bromoform

Concen: 8.709 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

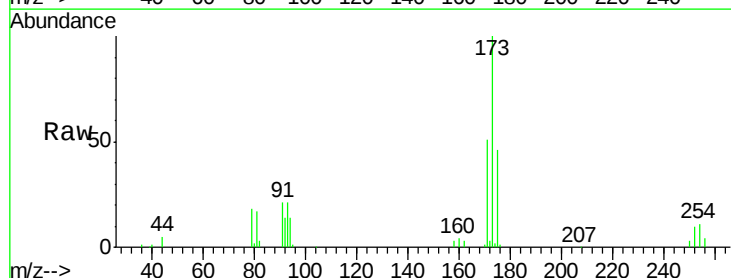
Tgt Ion: 173 Resp: 16940

Ion Ratio Lower Upper

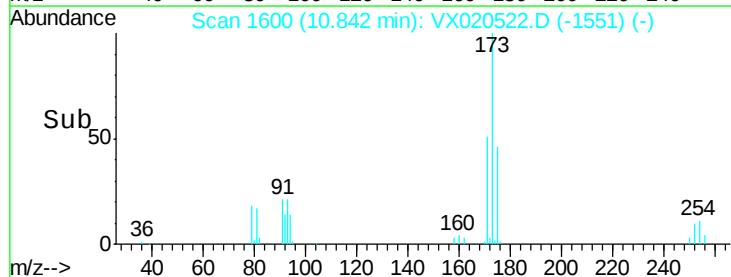
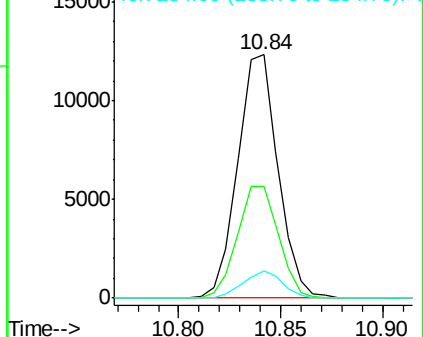
173 100

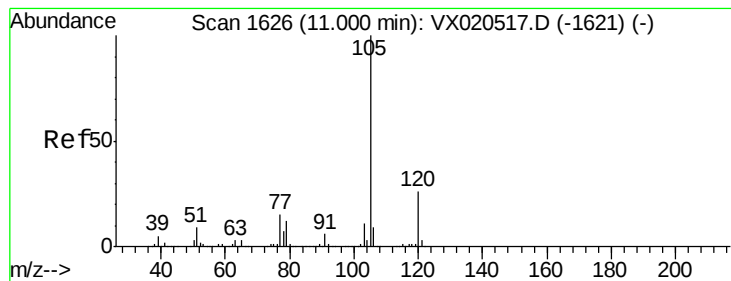
175 46.9 39.4 59.2

254 10.9 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 8.688 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

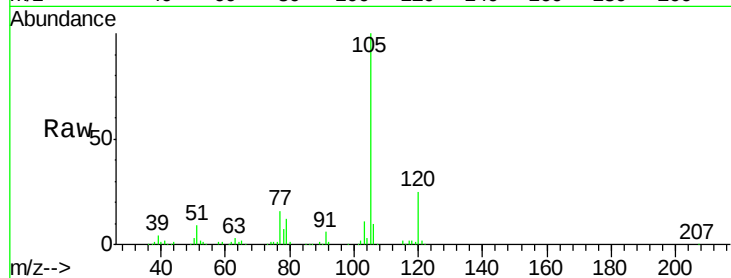
Tgt Ion: 105 Resp: 95390

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

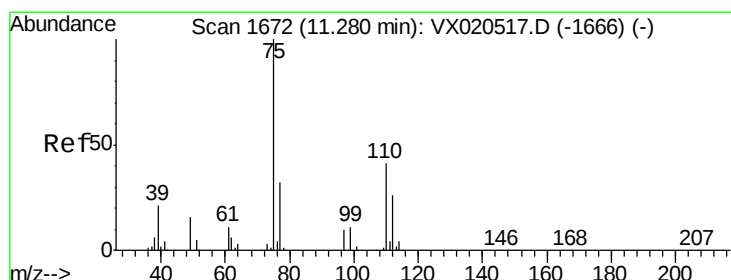
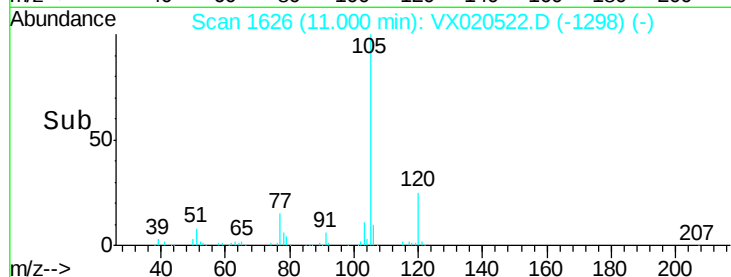
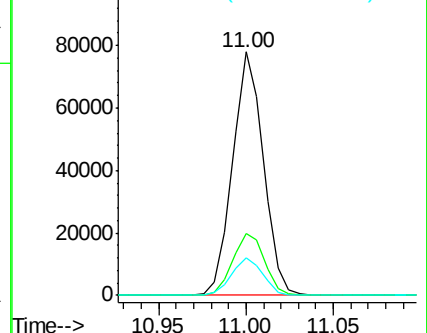
77 15.8 12.6 18.8



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: 8.910 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

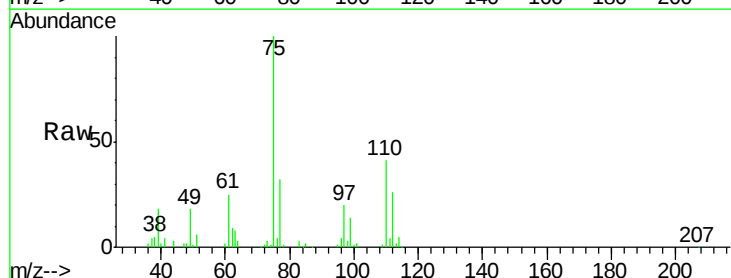
Tgt Ion: 75 Resp: 30268

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2

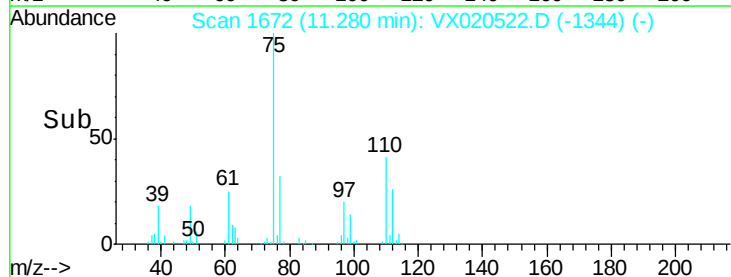
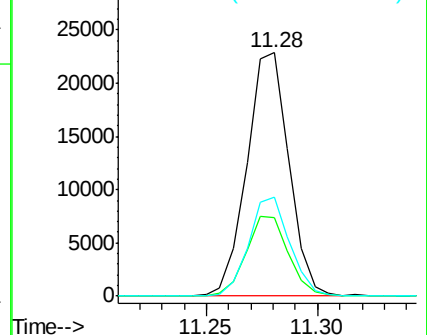
110 39.7 31.8 47.8

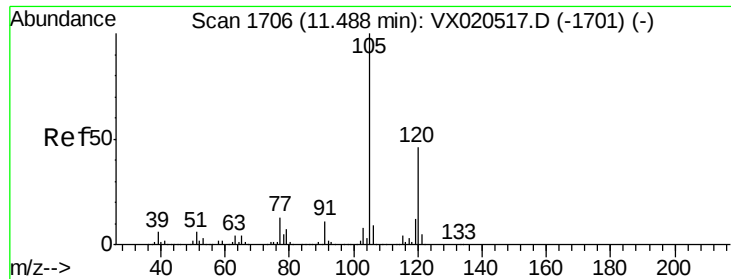


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V

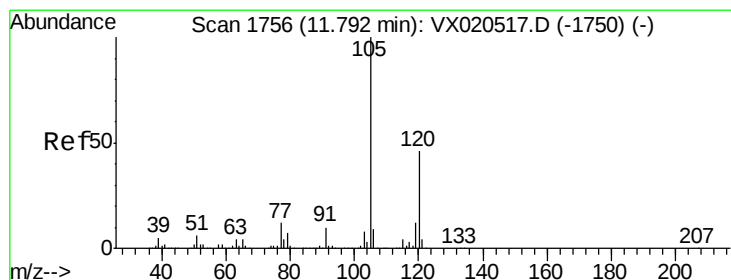
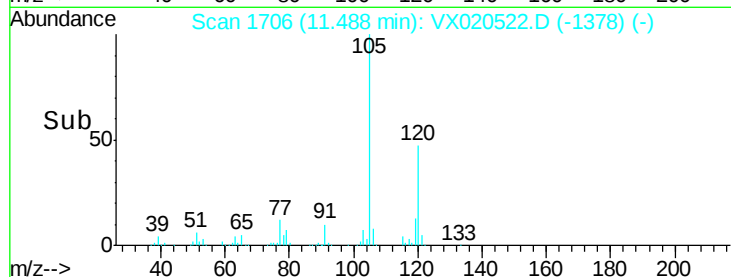
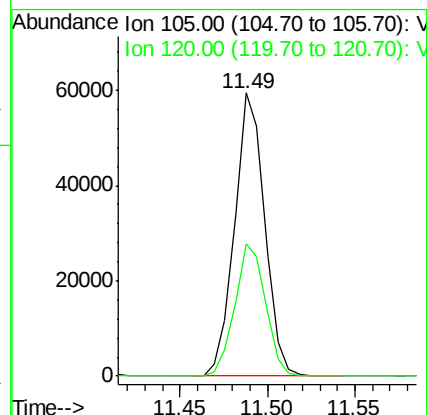
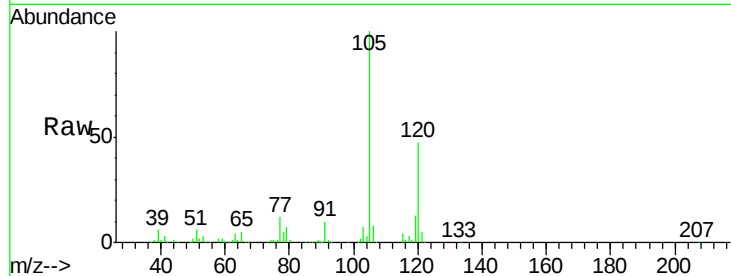




#62
 1,3,5-Trimethylbenzene
 Concen: 7.976 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020522.D
 Acq: 06 Jan 2021 16:06

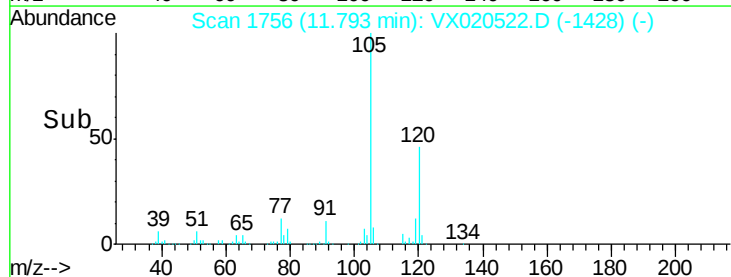
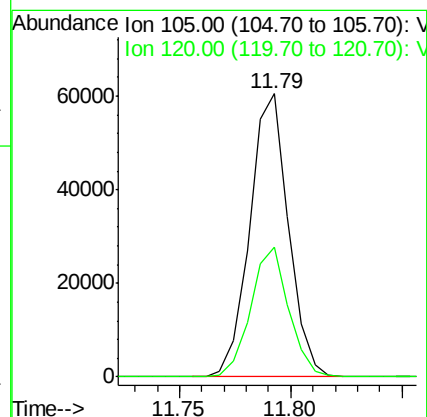
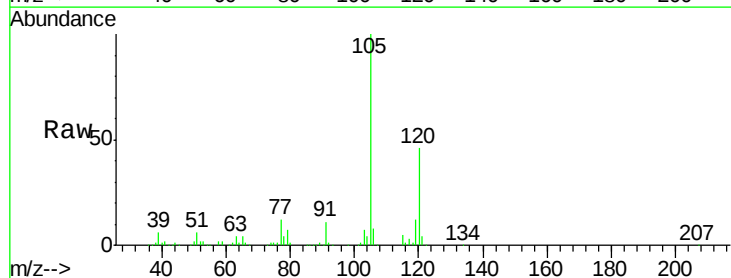
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010404

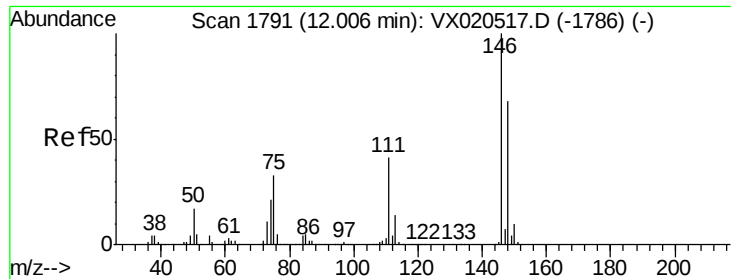
Tgt Ion:105 Resp: 71421
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 8.111 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX020522.D
 Acq: 06 Jan 2021 16:06

Tgt Ion:105 Resp: 73315
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 8.886 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

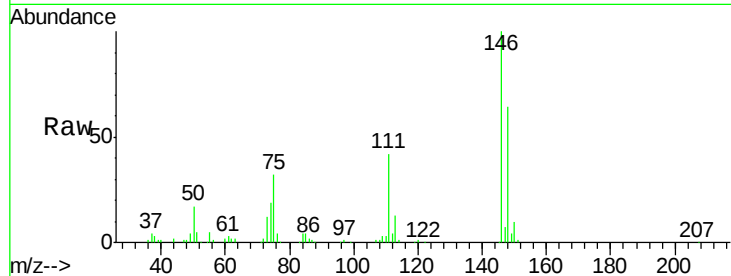
Tgt Ion:146 Resp: 45519

Ion Ratio Lower Upper

146 100

111 41.7 28.9 53.7

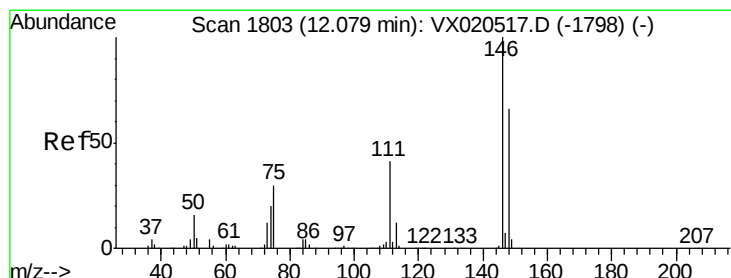
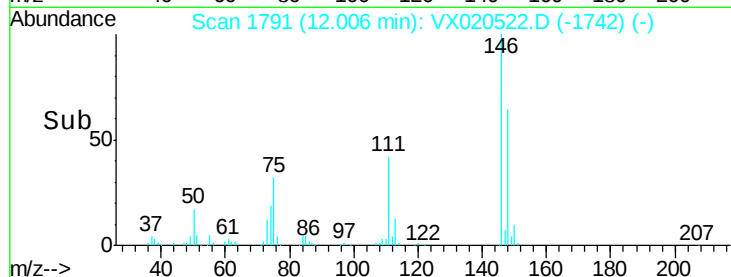
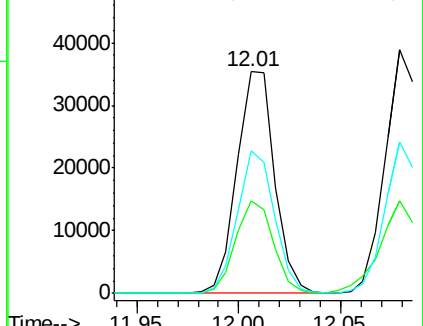
148 64.2 47.7 88.7



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: 9.093 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

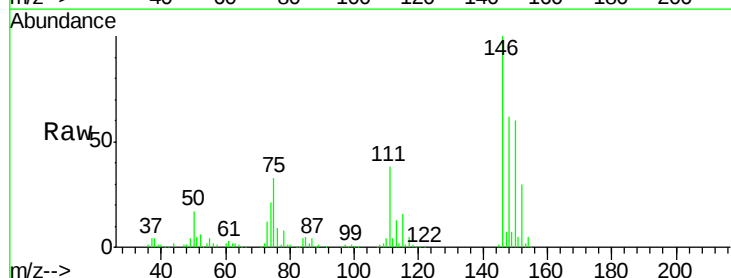
Tgt Ion:146 Resp: 47060

Ion Ratio Lower Upper

146 100

111 38.1 28.7 53.3

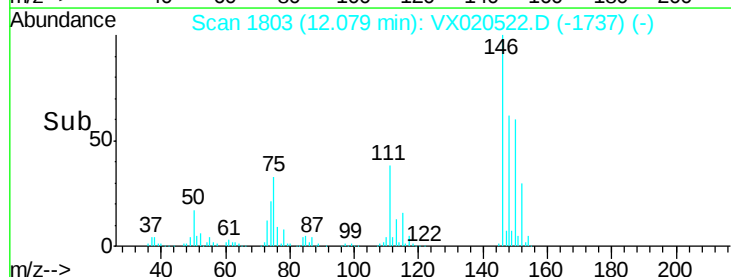
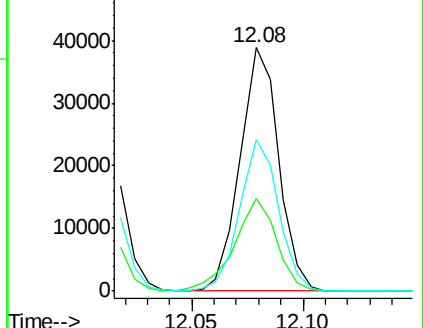
148 62.4 45.8 85.2

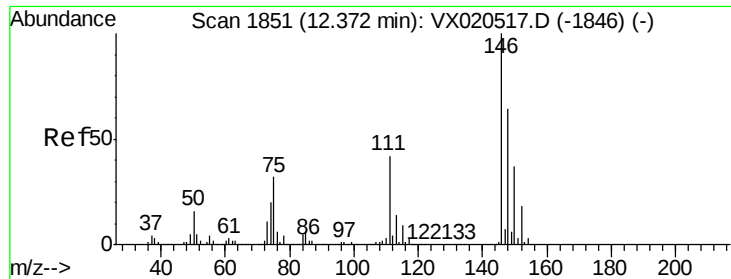


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 9.057 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

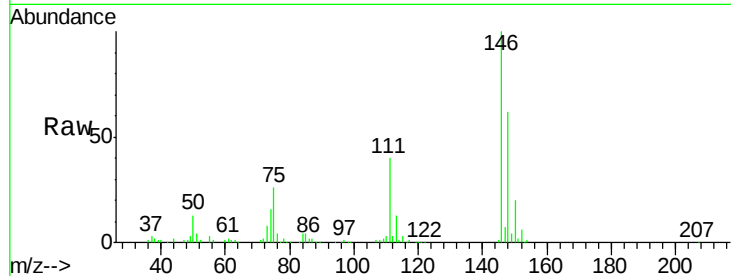
Tgt Ion: 146 Resp: 46254

Ion Ratio Lower Upper

146 100

111 39.5 33.8 50.8

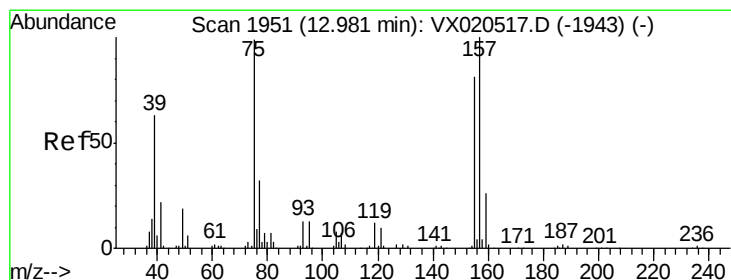
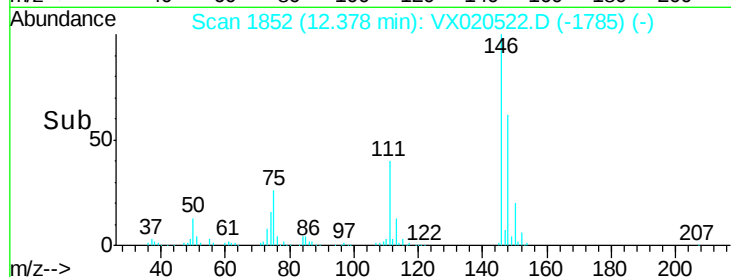
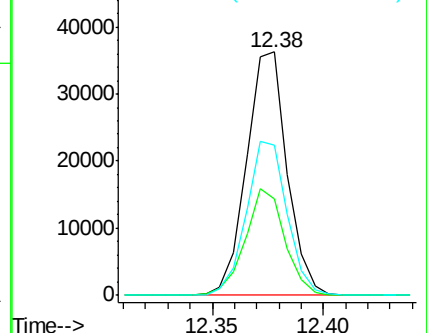
148 61.9 51.4 77.2



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



#68

1,2-Dibromo-3-chloropropane

Concen: 8.612 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

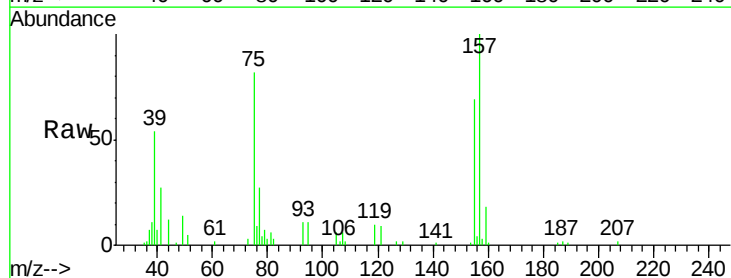
Tgt Ion: 75 Resp: 7400

Ion Ratio Lower Upper

75 100

155 84.3 65.3 97.9

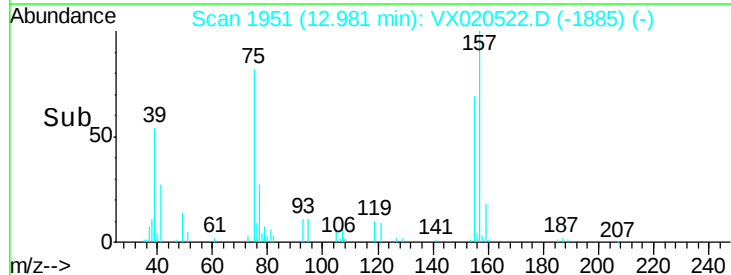
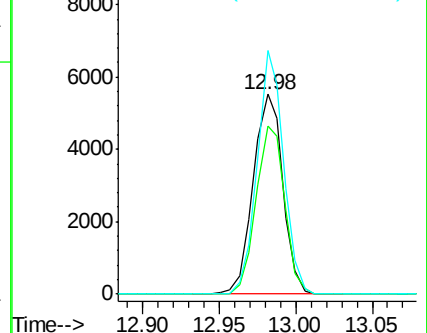
157 122.0 80.5 120.7#

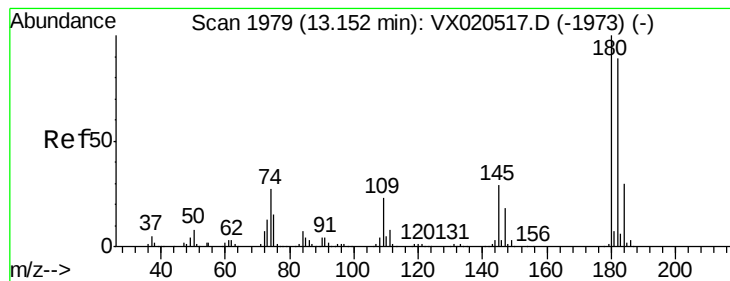


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

1,3,5-Trichlorobenzene

Concen: 8.166 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

Tgt Ion:180 Resp: 28716

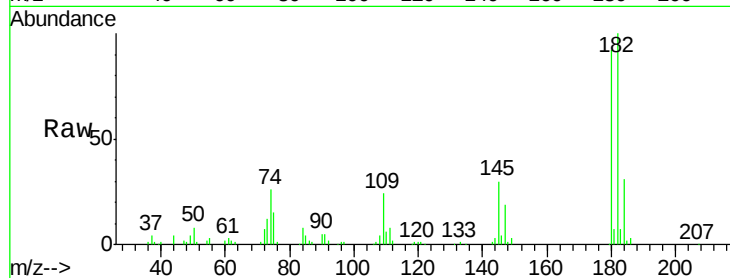
Ion Ratio Lower Upper

180 100

182 100.7 74.8 112.2

184 31.2 24.1 36.1

145 31.4 23.7 35.5

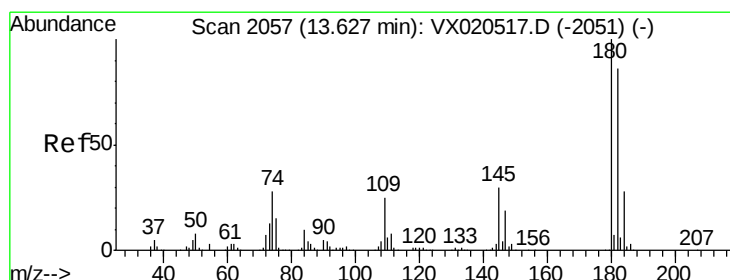
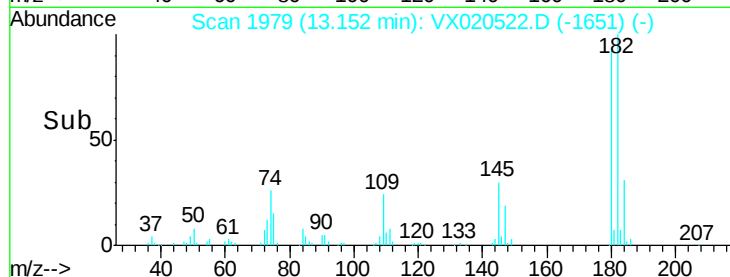
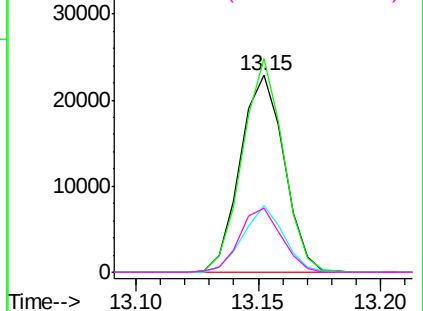


Abundance Ion 180.00 (179.70 to 180.70): V

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: 7.875 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

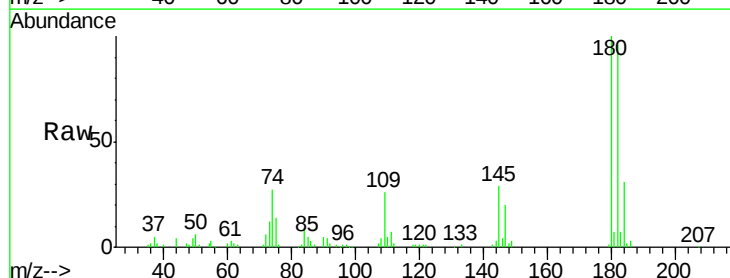
Tgt Ion:180 Resp: 23843

Ion Ratio Lower Upper

180 100

182 100.0 74.3 111.5

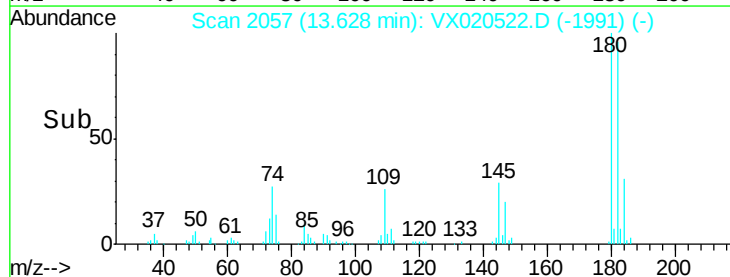
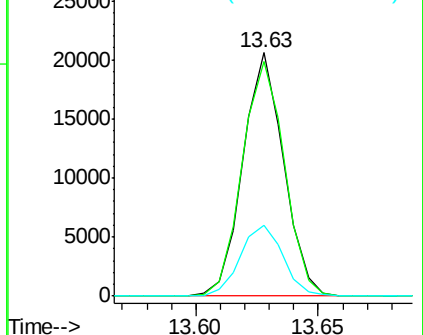
145 30.6 24.1 36.1

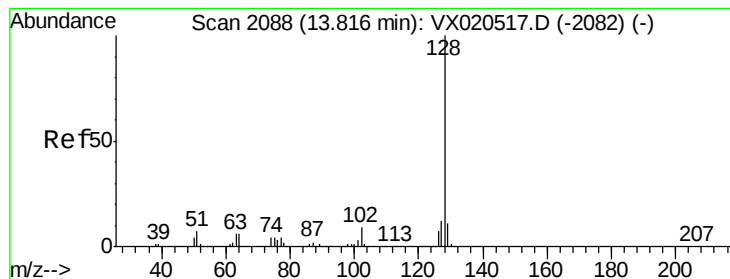


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 7.571 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD010404

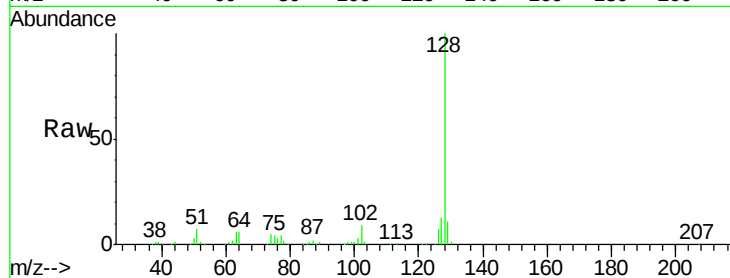
Tgt Ion:128 Resp: 75729

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

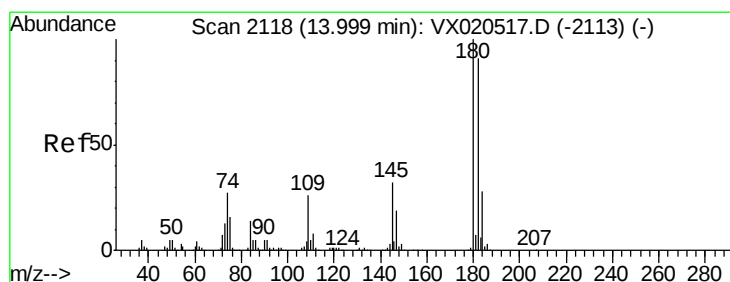
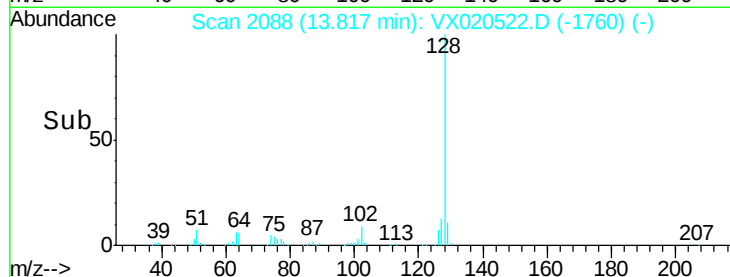
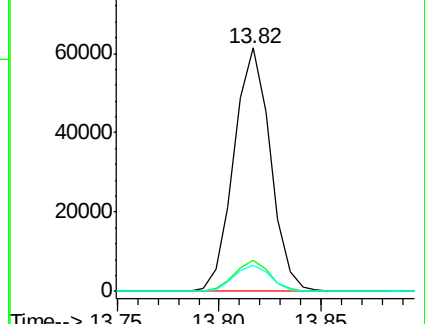
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 8.209 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX020522.D

Acq: 06 Jan 2021 16:06

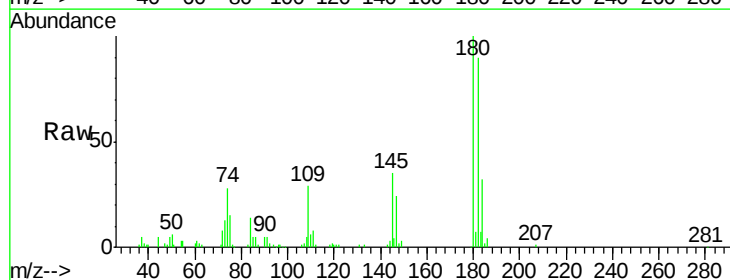
Tgt Ion:180 Resp: 25569

Ion Ratio Lower Upper

180 100

182 94.1 74.6 112.0

145 33.4 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

