

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX010721\
 Data File : VX020523.D
 Acq On : 06 Jan 2021 17:06
 Operator : JC/MD
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

Quant Time: Jan 06 17:37:28 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	6.83	114	337375	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	324111	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	150163	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	11492	4.84	ug/L	0.00
7) Chloroethane-d5	1.69	69	9063	4.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	23191	4.92	ug/L	0.00
21) 2-Butanone-d5	4.53	46	14161	9.31	ug/L	0.00
24) Chloroform-d	5.14	84	19010	4.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	13822	4.27	ug/L	0.00
32) Benzene-d6	6.04	84	41046	4.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	12567	4.60	ug/L	0.00
41) Toluene-d8	8.70	98	35487	4.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	5404	3.57	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	9122	8.00	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	17722	4.82	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	12715	4.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	18522	6.206 ug/L	99
3) Chloromethane	1.31	50	16539	6.998 ug/L	98
5) Vinyl chloride	1.39	62	17006	6.531 ug/L	99
6) Bromomethane	1.63	94	11124	8.005 ug/L	95
8) Chloroethane	1.71	64	10511	6.890 ug/L	89
9) Trichlorofluoromethane	1.92	101	22102	5.366 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	13387	5.795 ug/L	98
12) 1,1-Dichloroethene	2.36	96	12832	5.877 ug/L	90
13) Acetone	2.42	43	16287	14.179 ug/L	100
14) Carbon disulfide	2.55	76	42295	6.352 ug/L	100
15) Methyl Acetate	2.75	43	15048	6.306 ug/L	98
16) Methylene chloride	2.83	84	16551	6.826 ug/L	99
17) trans-1,2-Dichloroethene	3.14	96	14412	6.273 ug/L	99
18) Methyl tert-butyl Ether	3.17	73	40160	5.511 ug/L	98
19) 1,1-Dichloroethane	3.67	63	25770	6.075 ug/L	95
20) cis-1,2-Dichloroethene	4.56	96	14918	5.905 ug/L	99
22) 2-Butanone	4.64	43	22083	12.808 ug/L	96
23) Bromochloromethane	4.98	128	8274	6.084 ug/L	84
25) Chloroform	5.17	83	28527	6.038 ug/L	92
27) 1,2-Dichloroethane	6.16	62	20896	5.645 ug/L	99
29) Cyclohexane	5.55	56	20051	5.528 ug/L	98
30) 1,1,1-Trichloroethane	5.46	97	22131	5.155 ug/L	99
31) Carbon tetrachloride	5.74	117	18420	4.816 ug/L	96
33) Benzene	6.11	78	57685	6.161 ug/L	100
34) Trichloroethene	7.18	95	14898	5.821 ug/L	94
35) Methylcyclohexane	7.43	83	20732	5.521 ug/L	99
37) 1,2-Dichloropropane	7.49	63	14875	6.054 ug/L	98
38) Bromodichloromethane	7.87	83	18239	5.306 ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	19666	5.031 ug/L	95
40) 4-Methyl-2-pentanone	8.62	43	34748	10.673 ug/L	98

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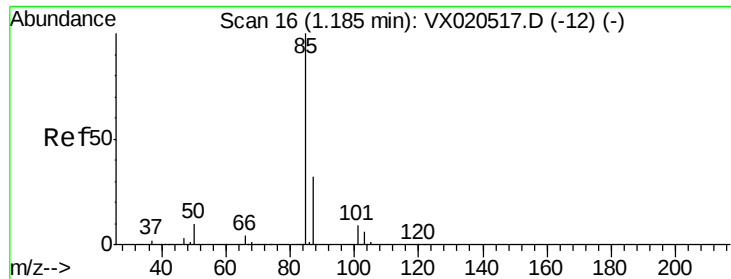
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	57340	5.710	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	18849	4.763	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	14669	6.220	ug/L	99
46) Tetrachloroethene	9.32	164	11322	5.464	ug/L	96
48) 2-Hexanone	9.47	43	26642	10.450	ug/L	95
49) Dibromochloromethane	9.56	129	13699	4.778	ug/L	93
50) 1,2-Dibromoethane	9.65	107	14462	5.616	ug/L	99
51) Chlorobenzene	10.12	112	37831	5.715	ug/L	97
52) Ethylbenzene	10.23	91	59664	5.366	ug/L	97
53) m,p-Xylene	10.34	106	21604	5.147	ug/L	98
54) o-Xylene	10.68	106	20624	5.122	ug/L	100
55) Styrene	10.70	104	33304	4.785	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	23290	6.360	ug/L	99
59) Bromoform	10.84	173	9752	5.012	ug/L	99
60) Isopropylbenzene	11.00	105	54959	5.616	ug/L	99
61) 1,2,3-Trichloropropane	11.27	75	19574	6.951	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	40371	4.978	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	40407	4.924	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	26393	5.538	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	27318	5.676	ug/L	99
67) 1,2-Dichlorobenzene	12.38	146	27056	5.829	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.98	75	4460	5.530	ug/L	94
69) 1,3,5-Trichlorobenzene	13.15	180	18240	5.646	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	14795	5.062	ug/L	97
71) Naphthalene	13.82	128	42514	4.600	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	14847	5.075	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 6.206 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

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Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

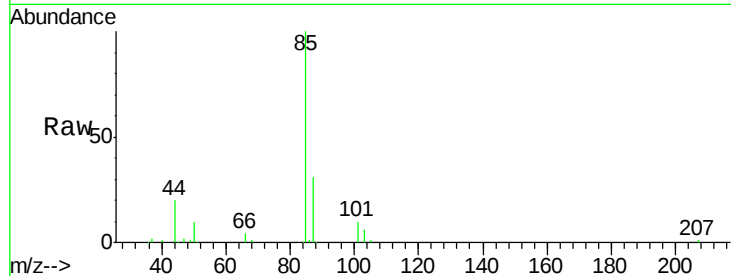
VSTD005403

Tgt Ion: 85 Resp: 18522

Ion Ratio Lower Upper

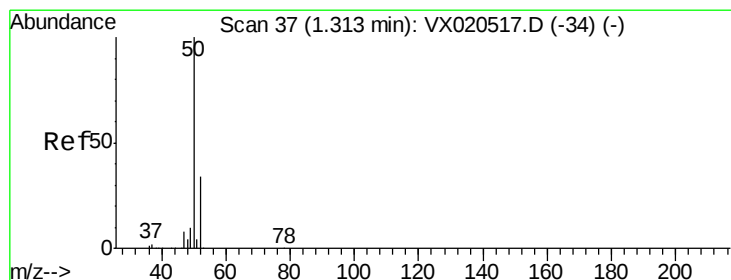
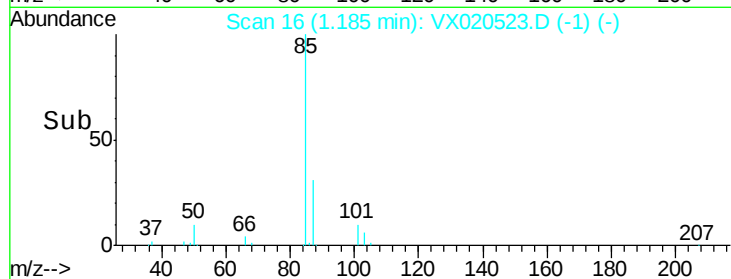
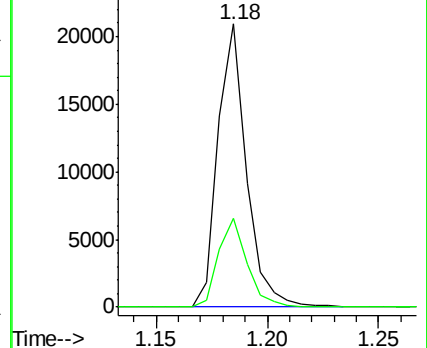
85 100

87 31.6 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: 6.998 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020523.D

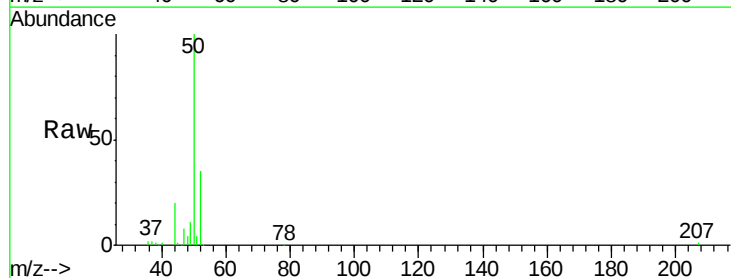
Acq: 06 Jan 2021 17:06

Tgt Ion: 50 Resp: 16539

Ion Ratio Lower Upper

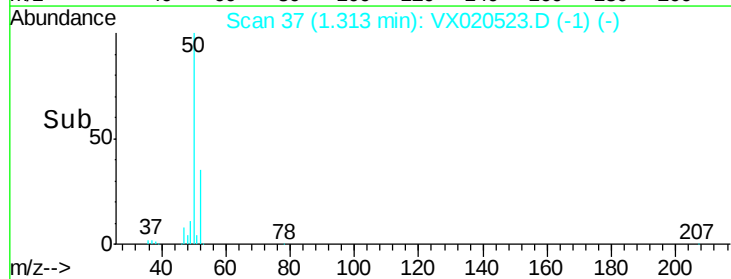
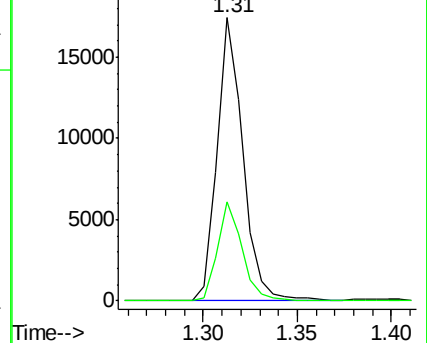
50 100

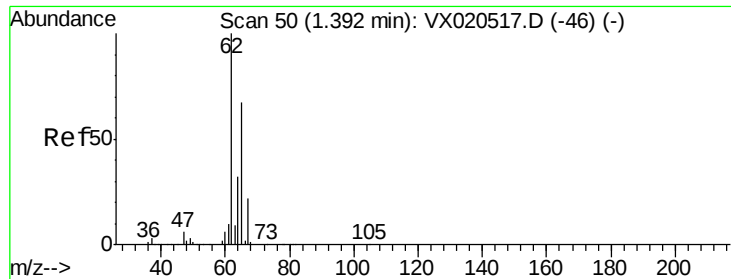
52 35.0 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 6.531 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

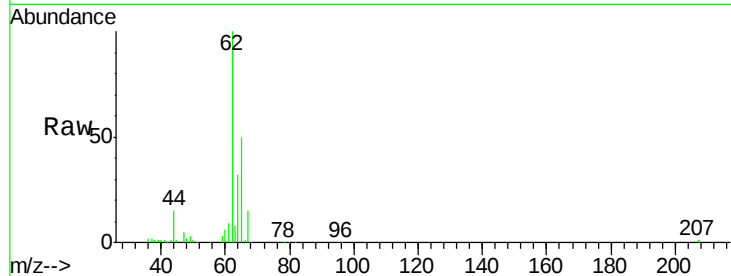
VSTD005403

Tgt Ion: 62 Resp: 17006

Ion Ratio Lower Upper

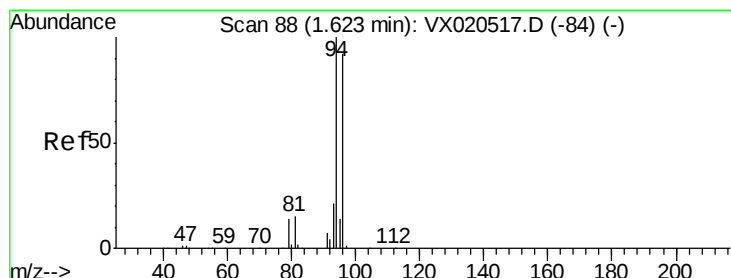
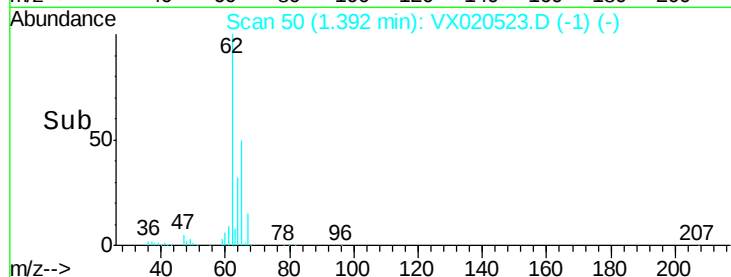
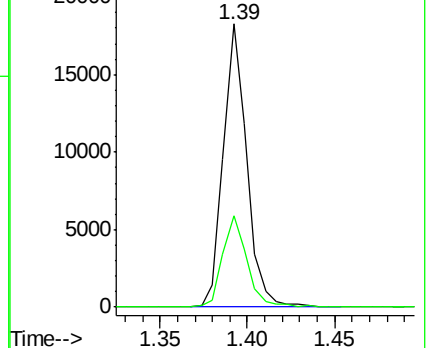
62 100

64 32.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



#6

Bromomethane

Concen: 8.005 ug/L

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020523.D

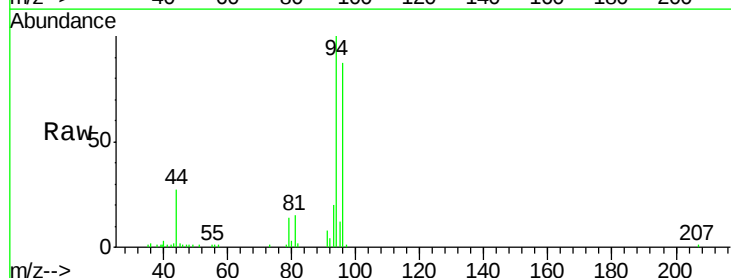
Acq: 06 Jan 2021 17:06

Tgt Ion: 94 Resp: 11124

Ion Ratio Lower Upper

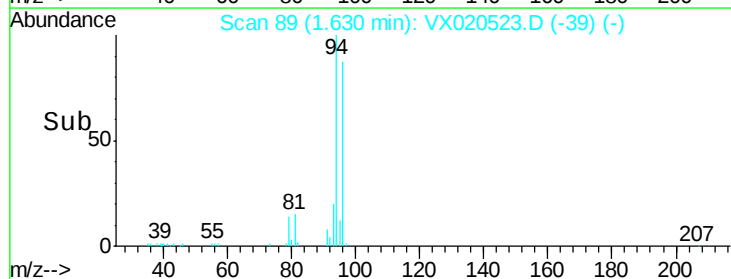
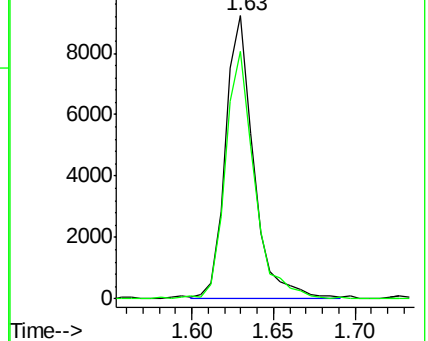
94 100

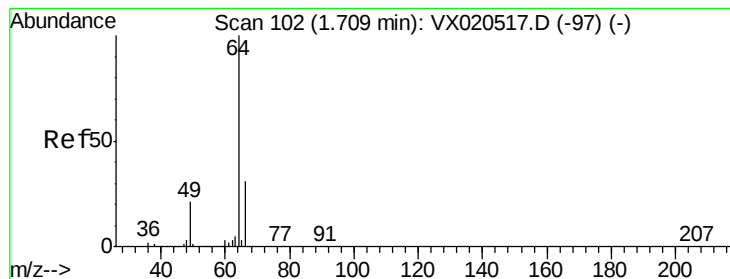
96 87.5 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 6.890 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

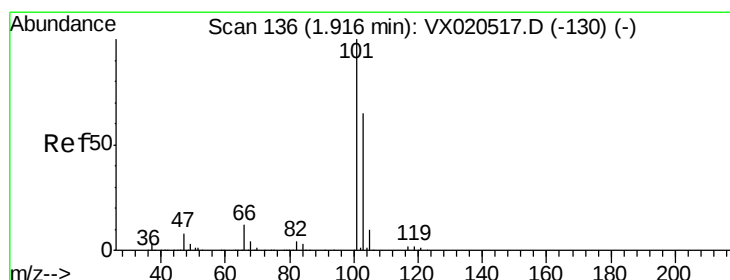
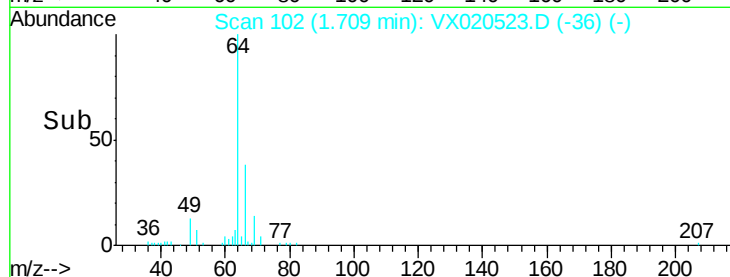
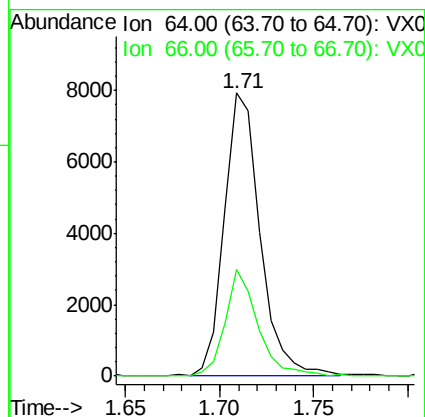
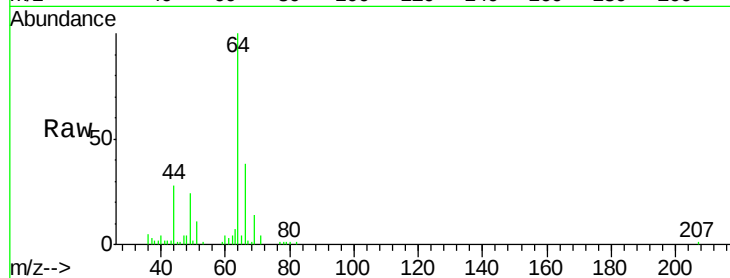
VSTD005403

Tgt Ion: 64 Resp: 10511

Ion Ratio Lower Upper

64 100

66 37.7 22.0 41.0



#9

Trichlorofluoromethane

Concen: 5.366 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX020523.D

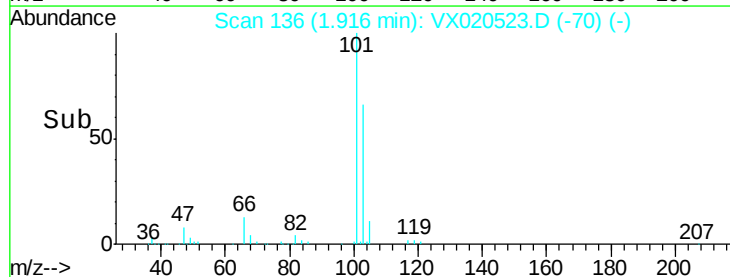
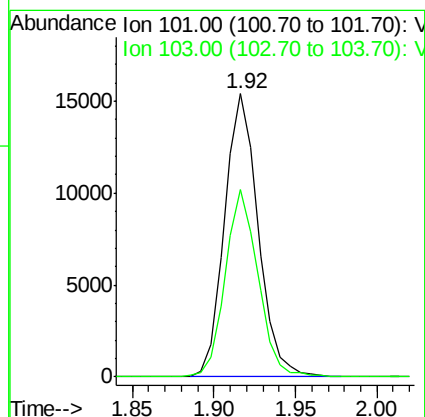
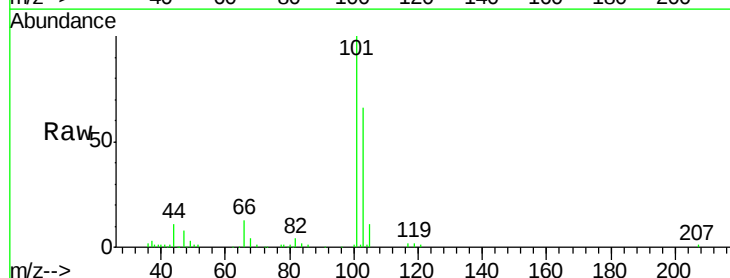
Acq: 06 Jan 2021 17:06

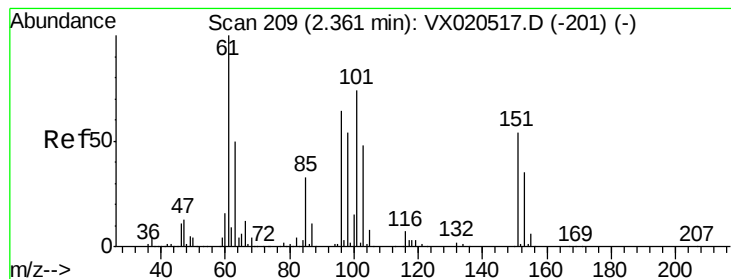
Tgt Ion: 101 Resp: 22102

Ion Ratio Lower Upper

101 100

103 64.4 52.2 78.2





#10

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

Concen: 5.795 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

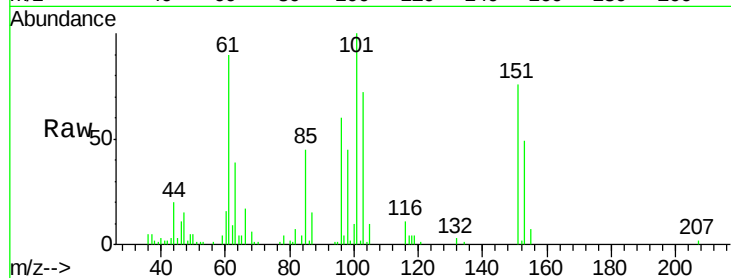
Tgt Ion: 101 Resp: 13387

Ion Ratio Lower Upper

101 100

85 43.3 34.3 51.5

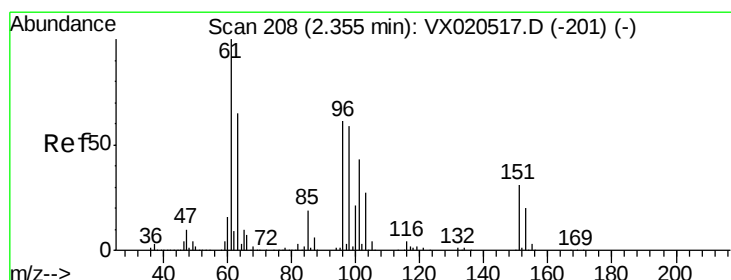
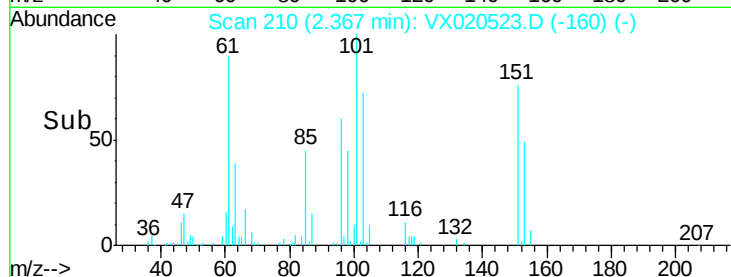
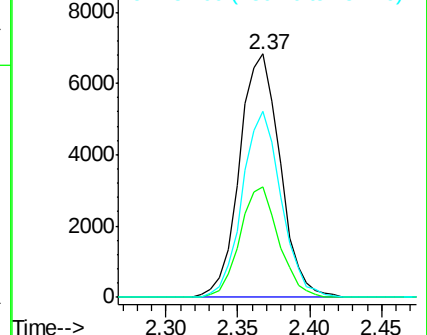
151 72.9 60.7 91.1



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: 5.877 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

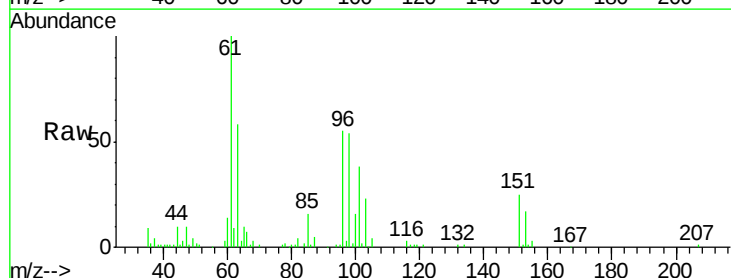
Tgt Ion: 96 Resp: 12832

Ion Ratio Lower Upper

96 100

61 181.6 115.5 214.5

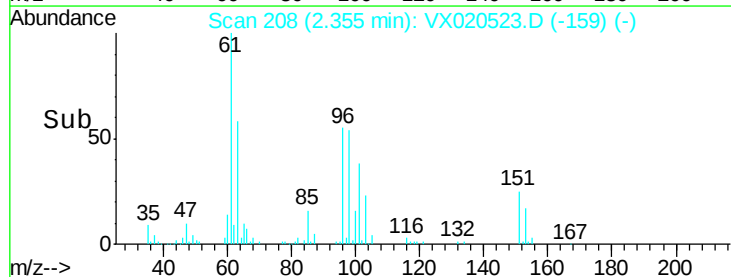
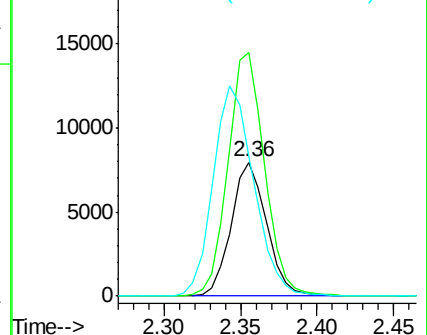
63 104.8 77.3 143.7

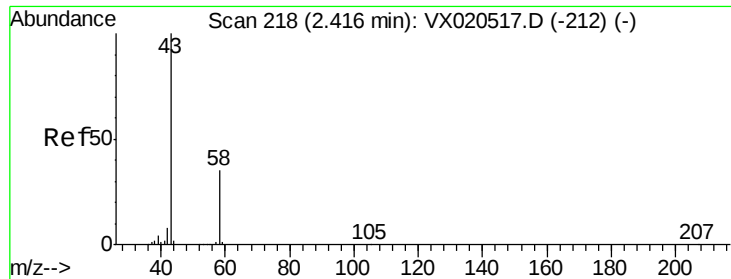


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 14.179 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

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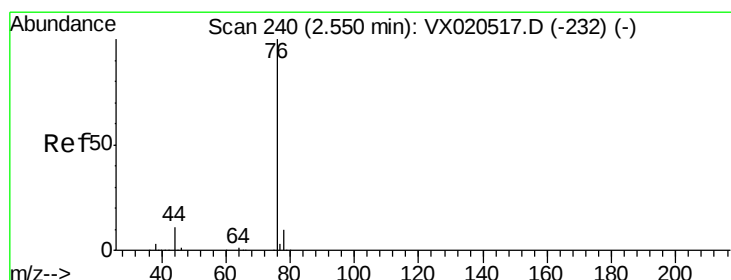
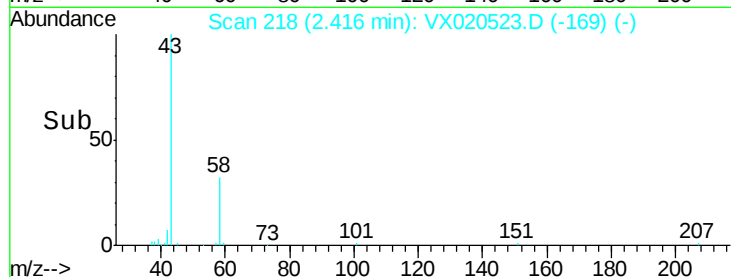
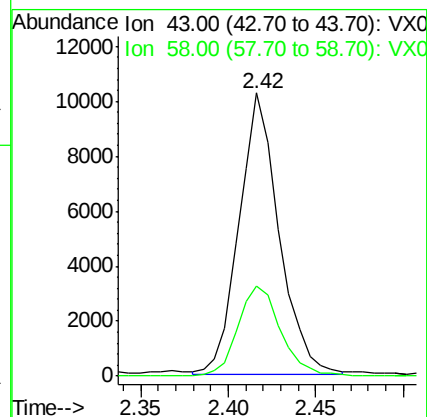
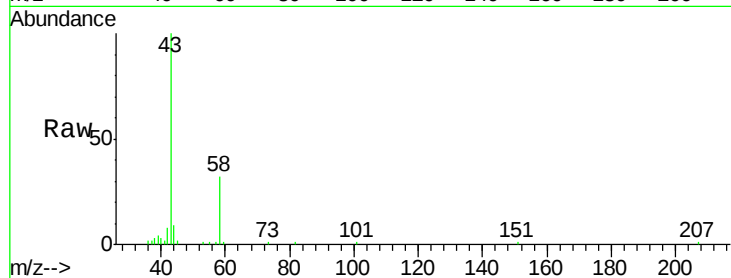
VSTD005403

Tgt Ion: 43 Resp: 16287

Ion Ratio Lower Upper

43 100

58 34.3 0.0 68.2



#14

Carbon disulfide

Concen: 6.352 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020523.D

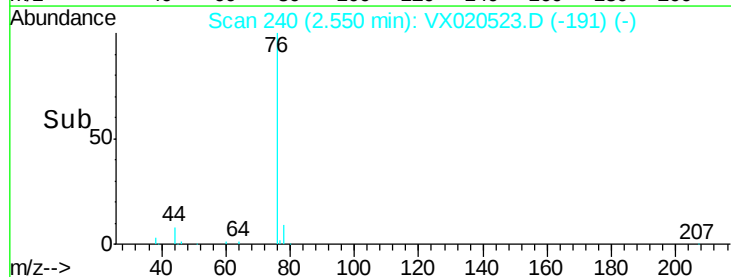
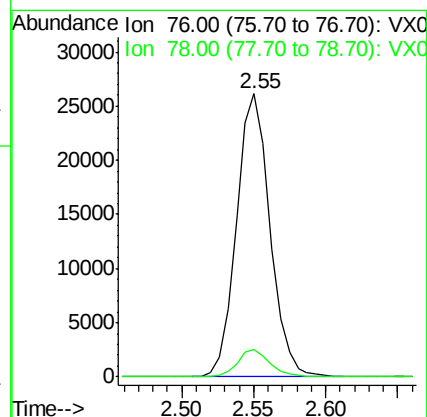
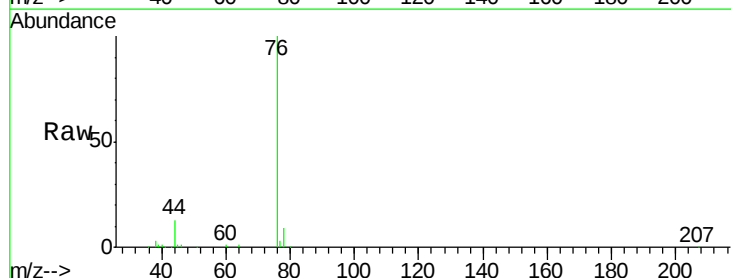
Acq: 06 Jan 2021 17:06

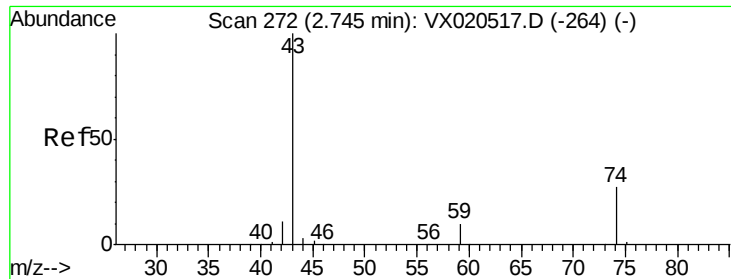
Tgt Ion: 76 Resp: 42295

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4





#15

Methyl Acetate

Concen: 6.306 ug/L

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

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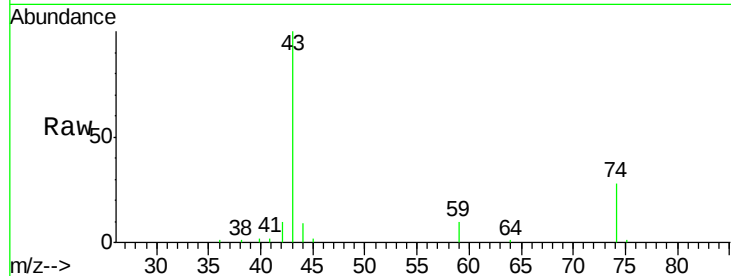
VSTD005403

Tgt Ion: 43 Resp: 15048

Ion Ratio Lower Upper

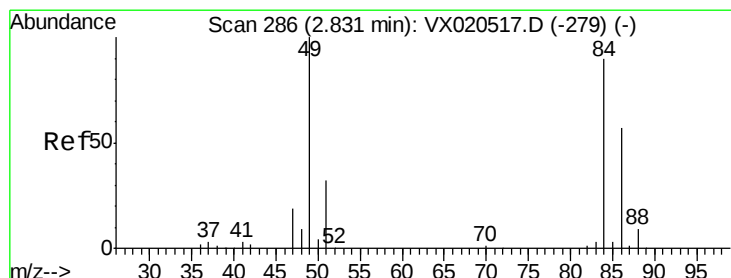
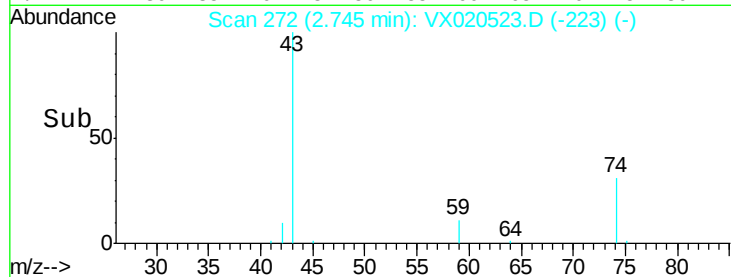
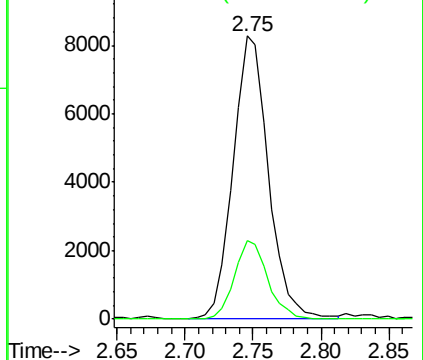
43 100

74 26.0 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#16

Methylene chloride

Concen: 6.826 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

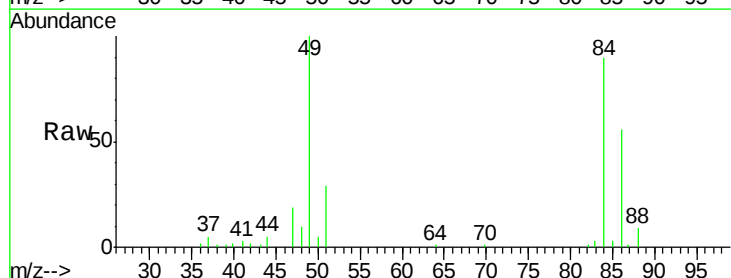
Tgt Ion: 84 Resp: 16551

Ion Ratio Lower Upper

84 100

86 62.4 44.2 82.0

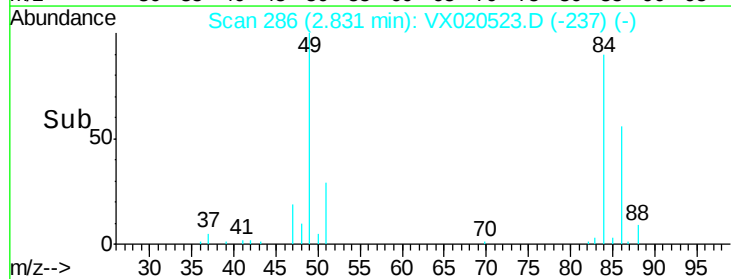
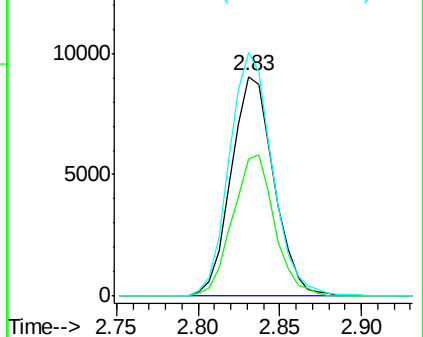
49 110.9 77.8 144.6

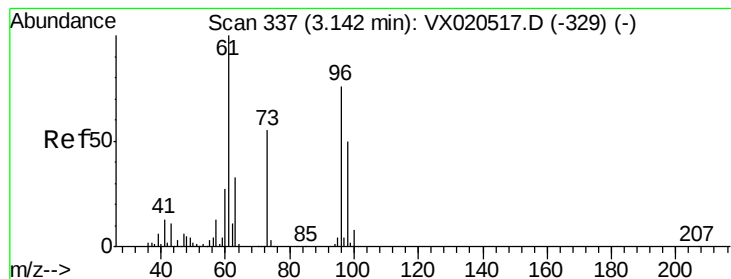


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.00 (48.70 to 49.70): VX0





#17

trans-1,2-Dichloroethene

Concen: 6.273 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

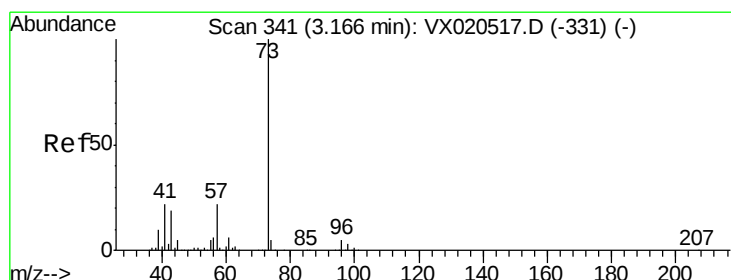
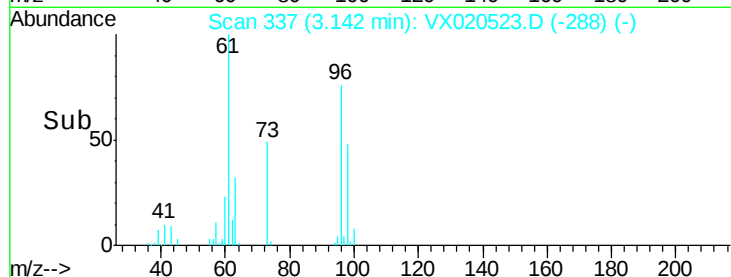
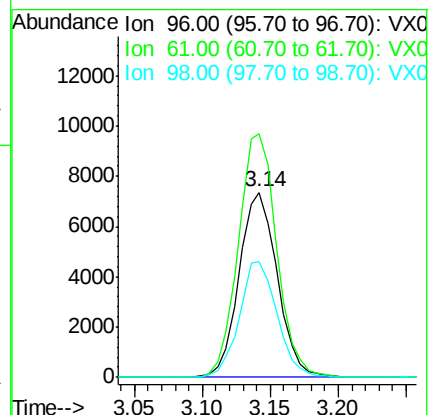
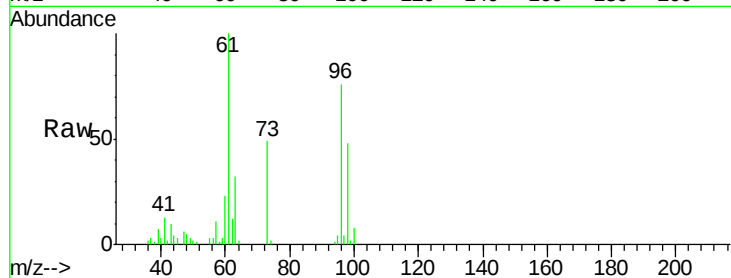
Tgt Ion: 96 Resp: 14412

Ion Ratio Lower Upper

96 100

61 131.7 92.3 171.3

98 62.9 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 5.511 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

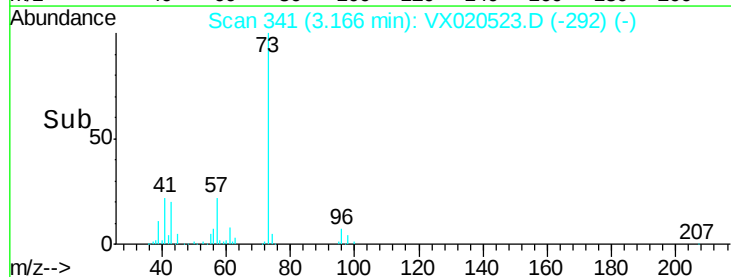
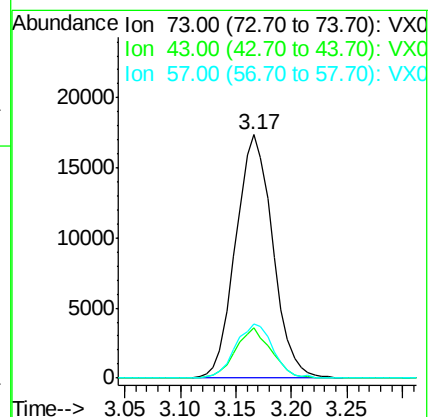
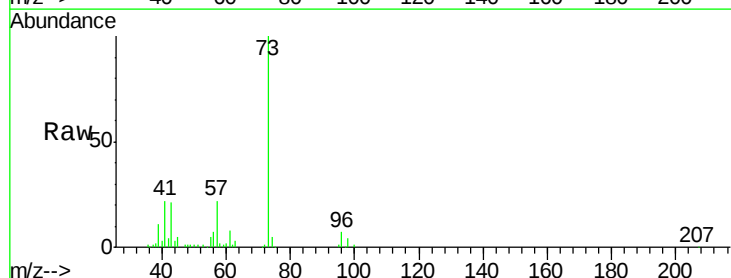
Tgt Ion: 73 Resp: 40160

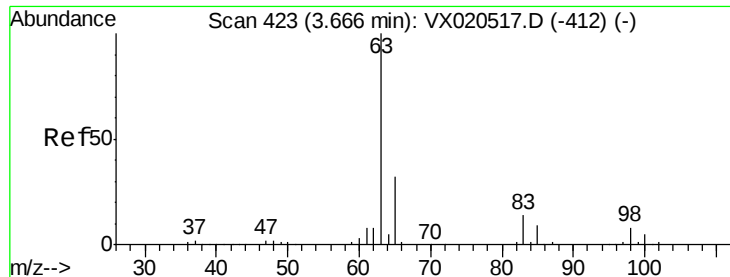
Ion Ratio Lower Upper

73 100

43 20.0 15.1 22.7

57 22.7 17.4 26.2

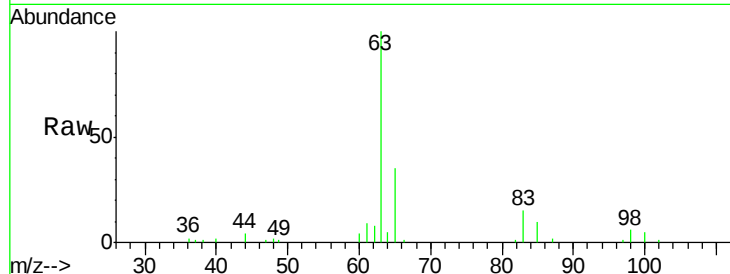




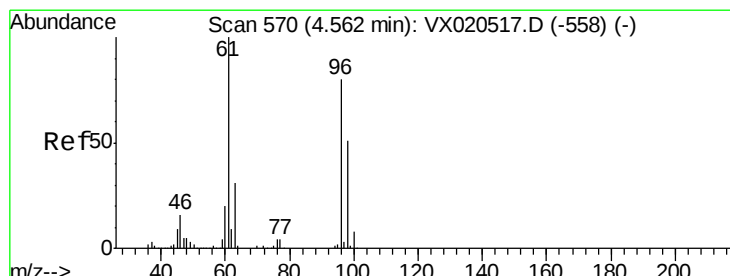
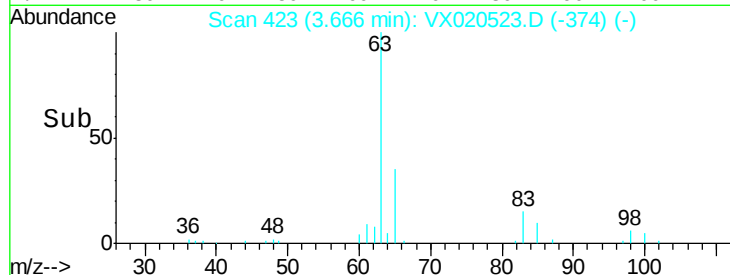
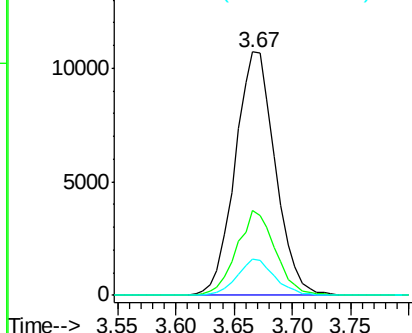
#19
 1,1-Dichloroethane
 Concen: 6.075 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

Tgt Ion: 63 Resp: 25770
 Ion Ratio Lower Upper
 63 100
 65 35.1 22.4 41.6
 83 14.7 9.5 17.7

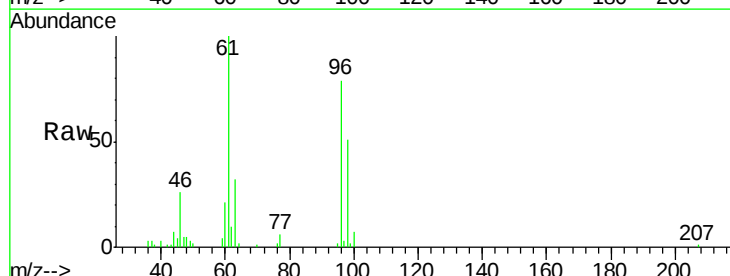


Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 65.00 (64.70 to 65.70): VX0
 Ion 83.00 (82.70 to 83.70): VX0

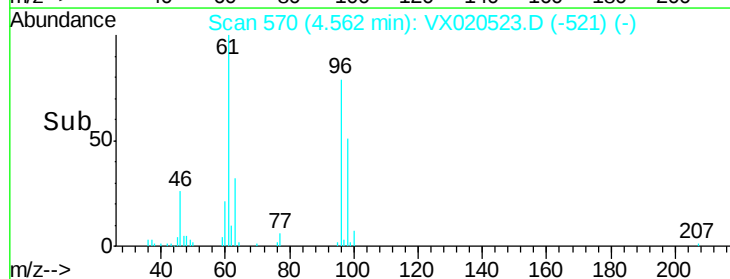
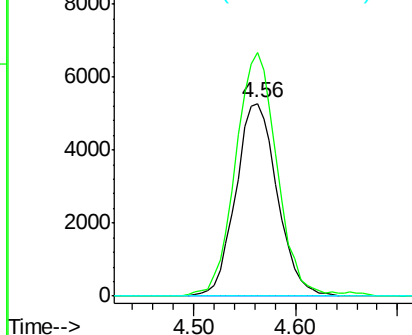


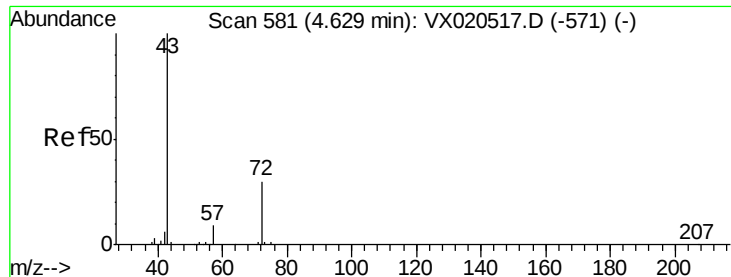
#20
 cis-1,2-Dichloroethene
 Concen: 5.905 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Tgt Ion: 96 Resp: 14918
 Ion Ratio Lower Upper
 96 100
 61 126.5 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: 12.808 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

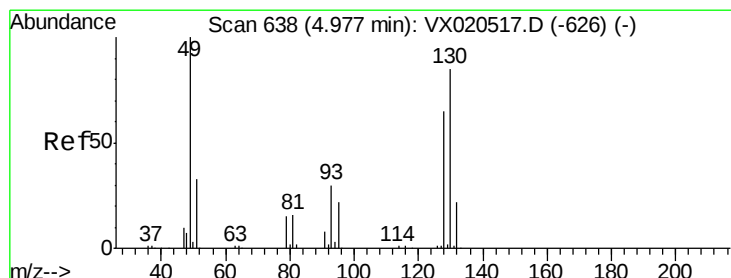
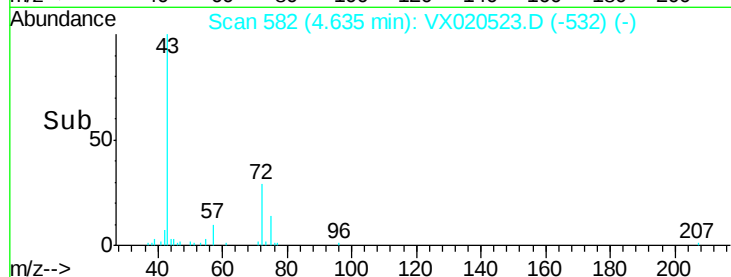
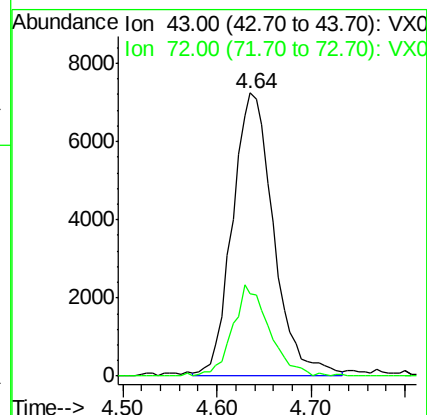
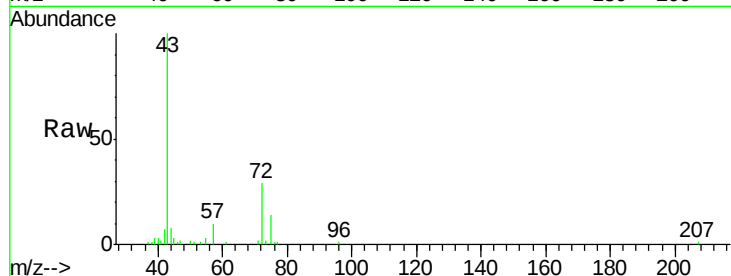
VSTD005403

Tgt Ion: 43 Resp: 22083

Ion Ratio Lower Upper

43 100

72 28.3 15.3 45.8



#23

Bromochloromethane

Concen: 6.084 ug/L

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Tgt Ion: 128 Resp: 8274

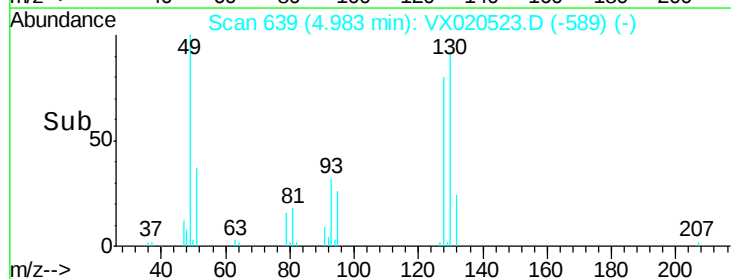
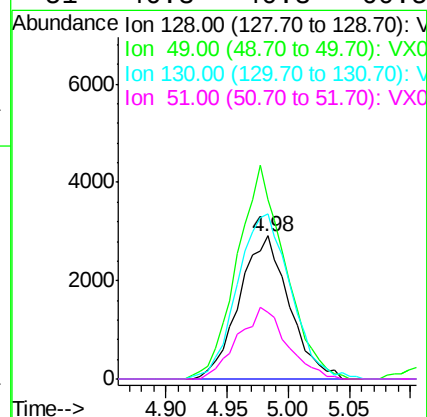
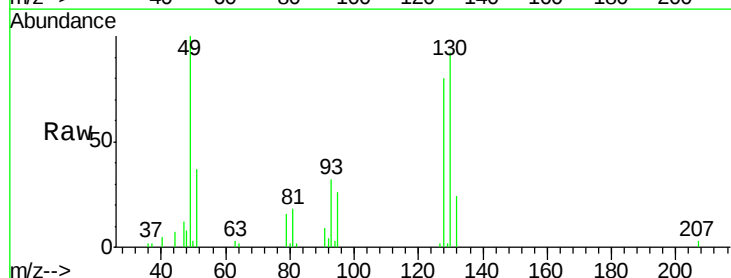
Ion Ratio Lower Upper

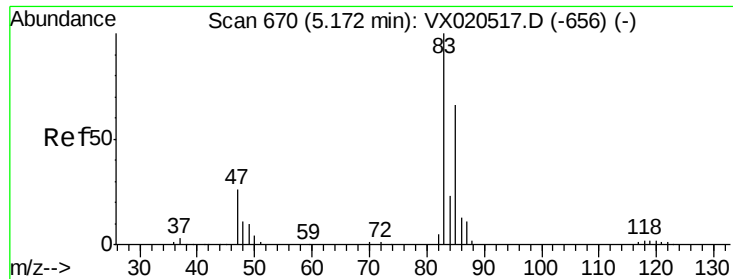
128 100

49 125.8 107.5 199.7

130 115.5 91.1 169.3

51 46.3 40.3 60.5

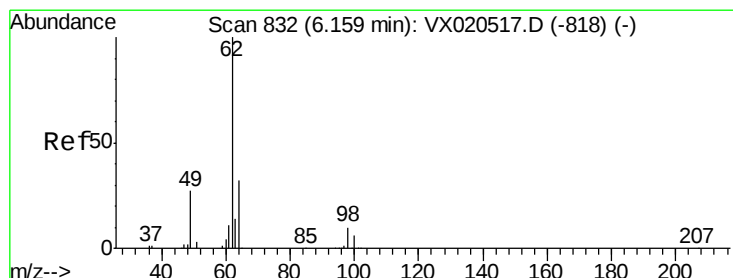
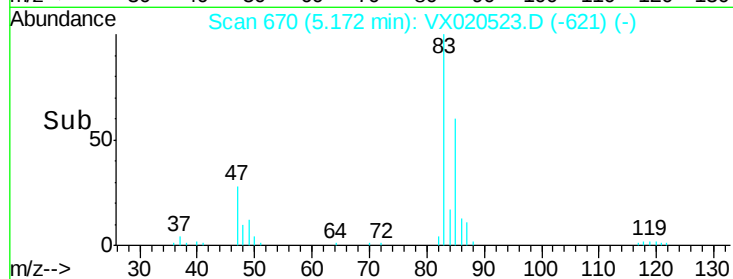
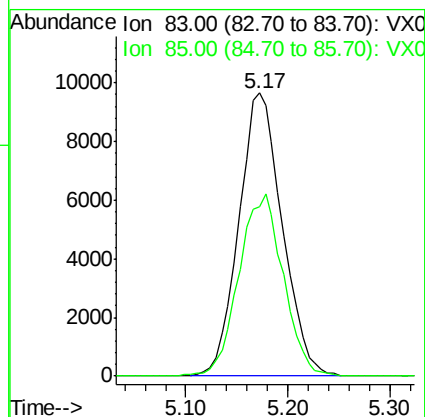
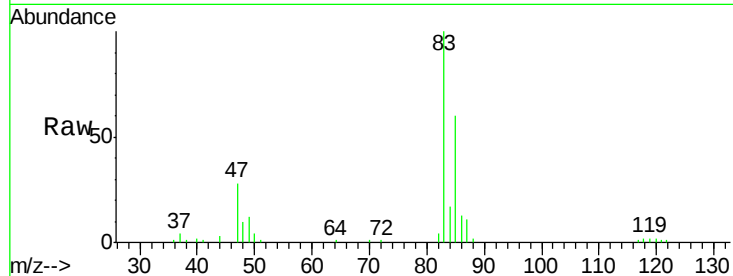




#25
Chloroform
Concen: 6.038 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX020523.D
Acq: 06 Jan 2021 17:06

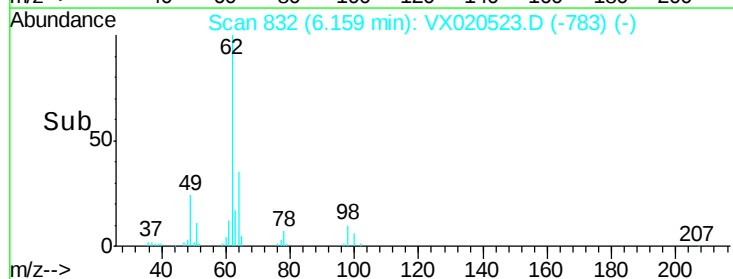
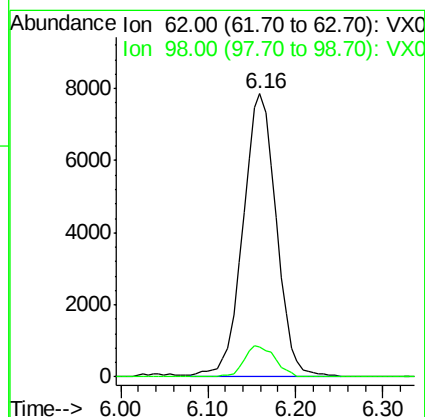
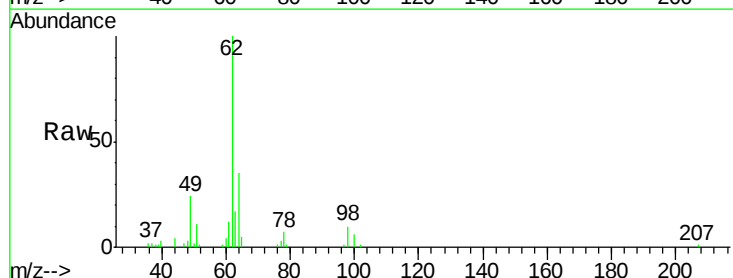
Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

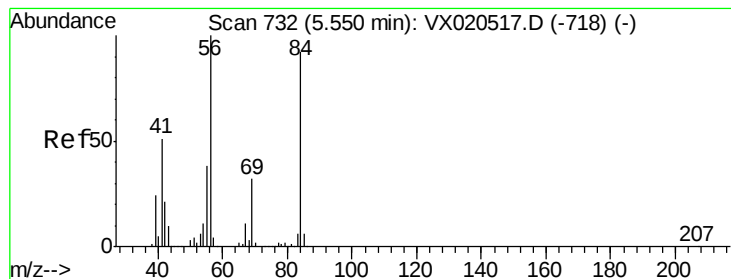
Tgt Ion: 83 Resp: 28527
Ion Ratio Lower Upper
83 100
85 60.1 46.3 85.9



#27
1,2-Dichloroethane
Concen: 5.645 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX020523.D
Acq: 06 Jan 2021 17:06

Tgt Ion: 62 Resp: 20896
Ion Ratio Lower Upper
62 100
98 10.4 7.9 11.9





#29

Cyclohexane

Concen: 5.528 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

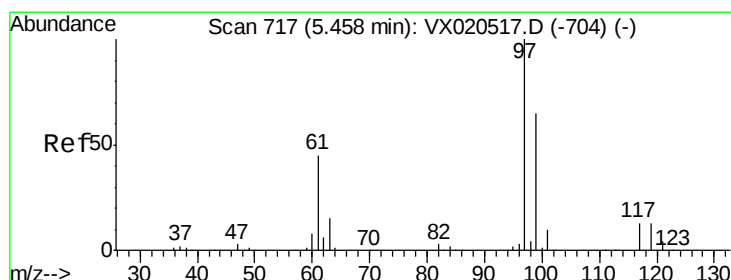
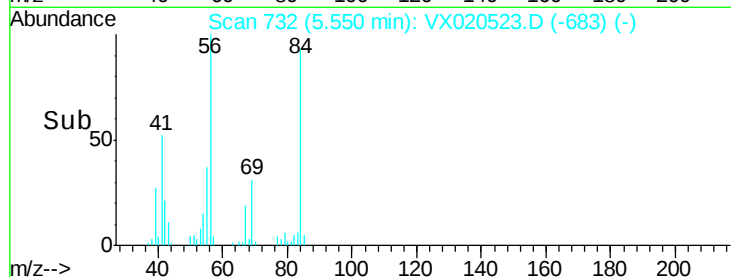
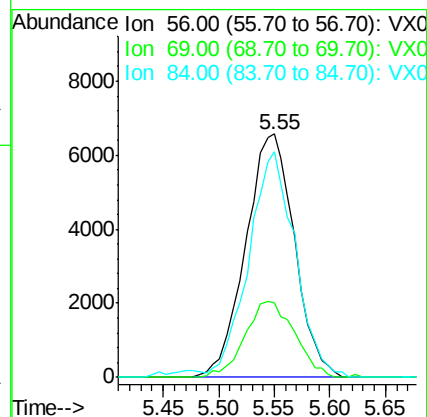
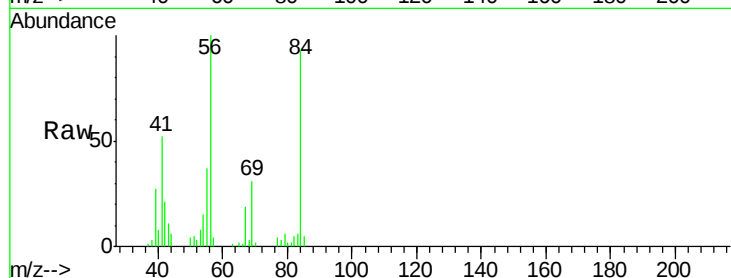
Tgt Ion: 56 Resp: 20051

Ion Ratio Lower Upper

56 100

69 31.6 25.7 38.5

84 88.1 72.4 108.6



#30

1,1,1-Trichloroethane

Concen: 5.155 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

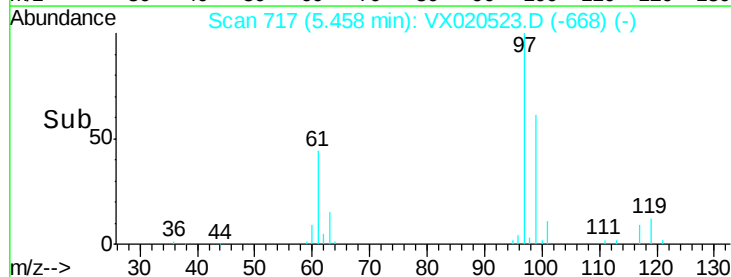
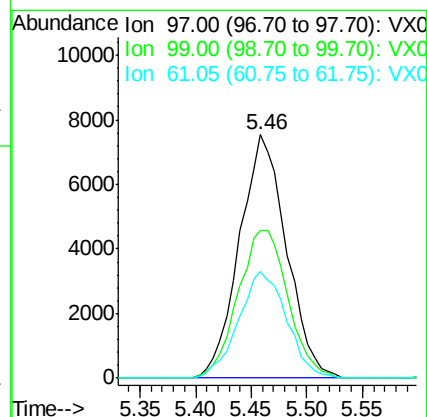
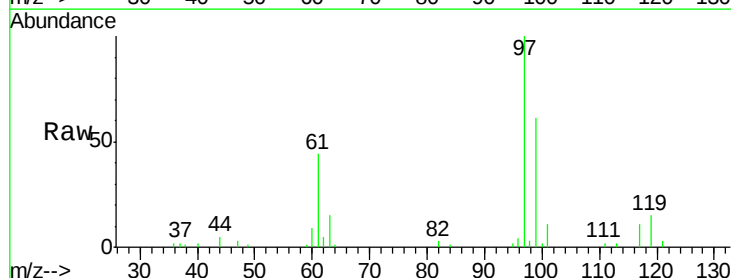
Tgt Ion: 97 Resp: 22131

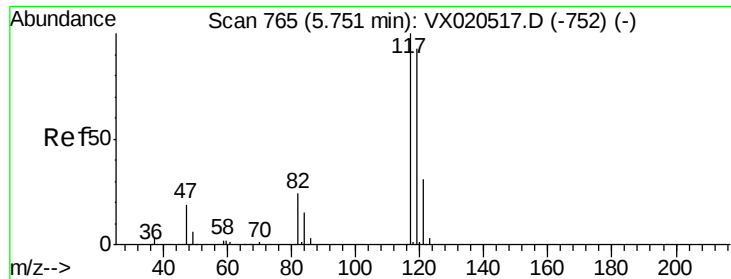
Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

61 44.8 35.3 52.9

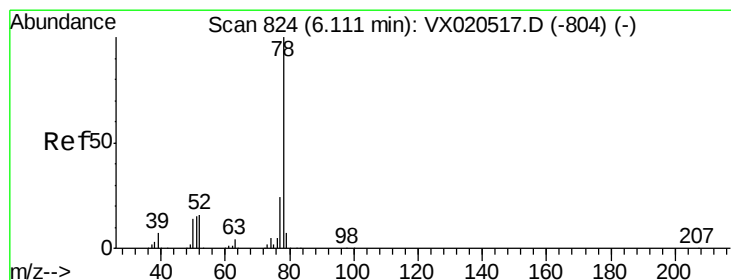
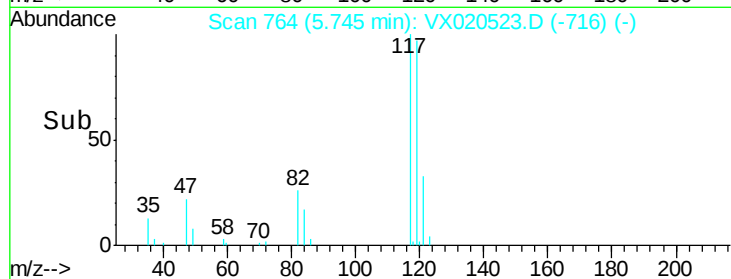
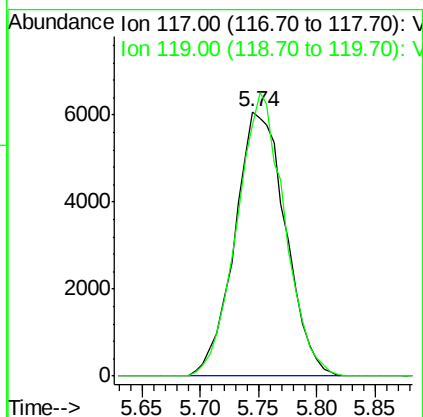
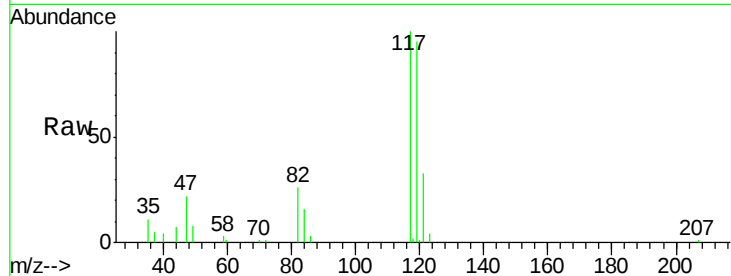




#31
Carbon tetrachloride
Concen: 4.816 ug/L
RT: 5.74 min Scan# 764
Delta R.T. -0.01 min
Lab File: VX020523.D
Acq: 06 Jan 2021 17:06

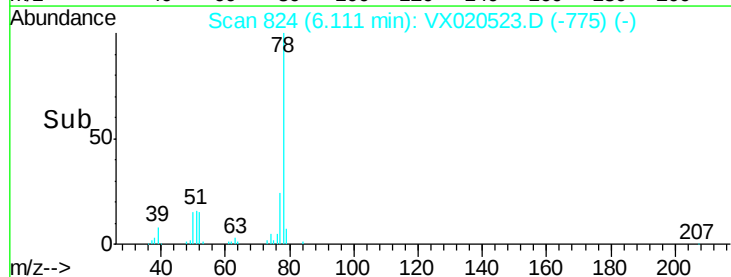
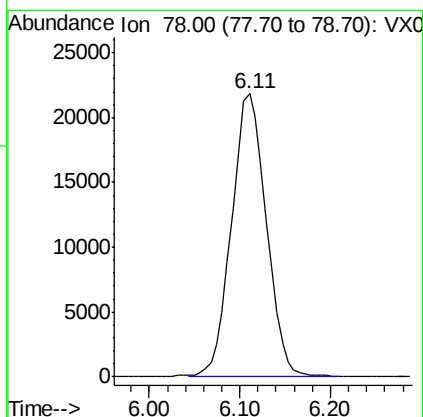
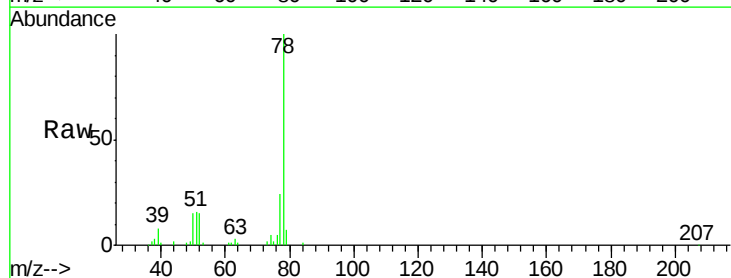
Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

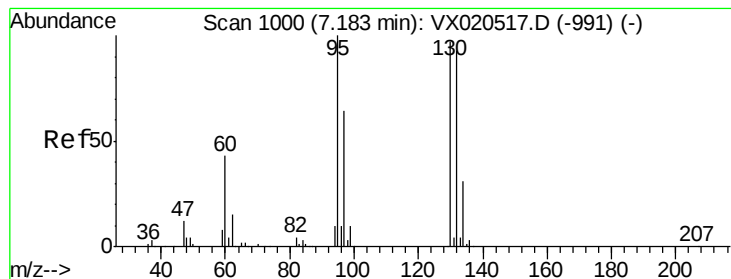
Tgt Ion:117 Resp: 18420
Ion Ratio Lower Upper
117 100
119 100.5 77.5 116.3



#33
Benzene
Concen: 6.161 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX020523.D
Acq: 06 Jan 2021 17:06

Tgt Ion: 78 Resp: 57685





#34

Trichloroethene

Concen: 5.821 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampled :

VSTD005403

Tgt Ion: 95 Resp: 14898

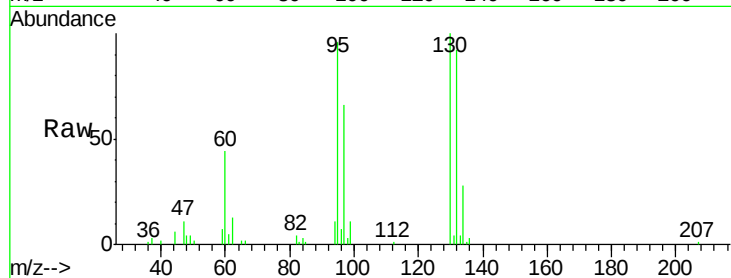
Ion Ratio Lower Upper

95 100

97 69.2 44.5 82.7

132 95.7 65.2 121.0

130 104.5 67.7 125.7

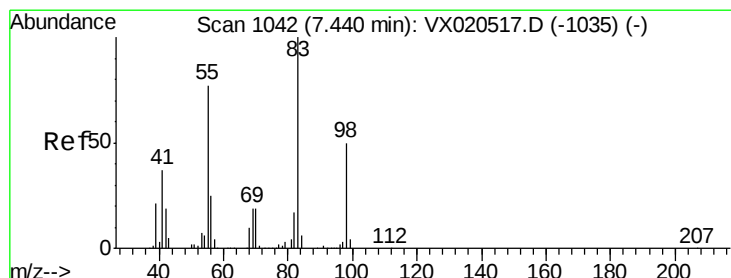
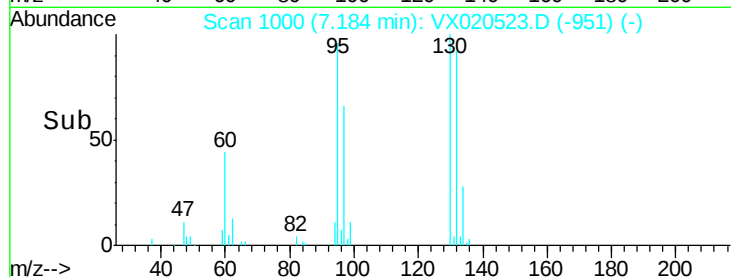
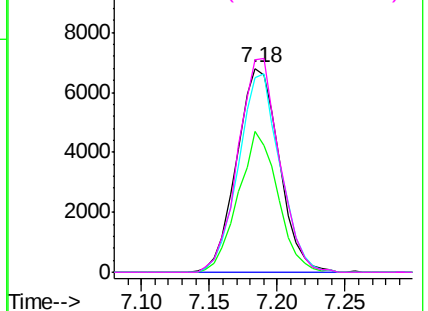


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 5.521 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

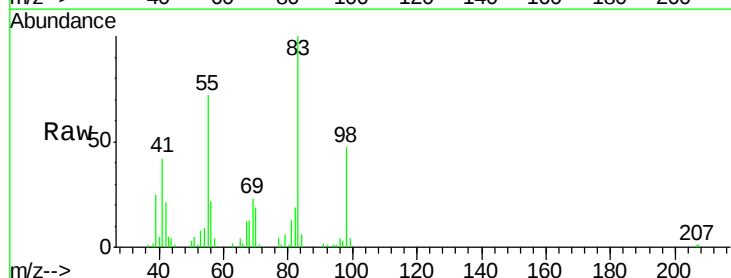
Tgt Ion: 83 Resp: 20732

Ion Ratio Lower Upper

83 100

55 75.9 61.2 91.8

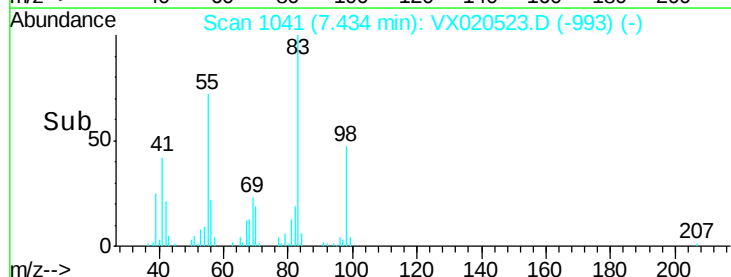
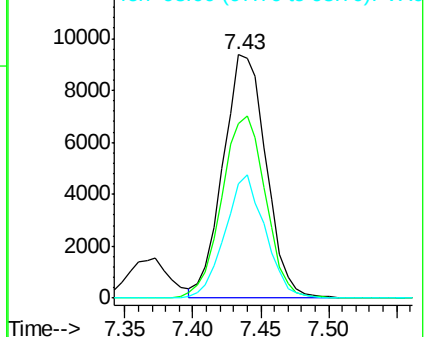
98 47.1 38.7 58.1

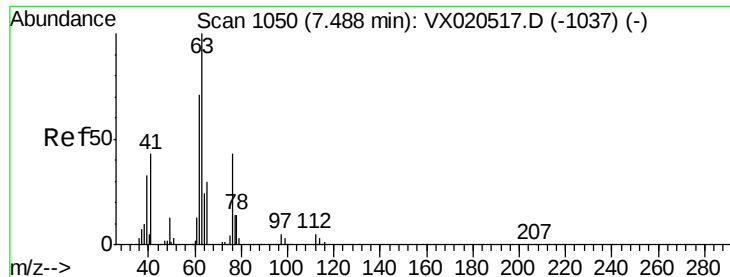


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

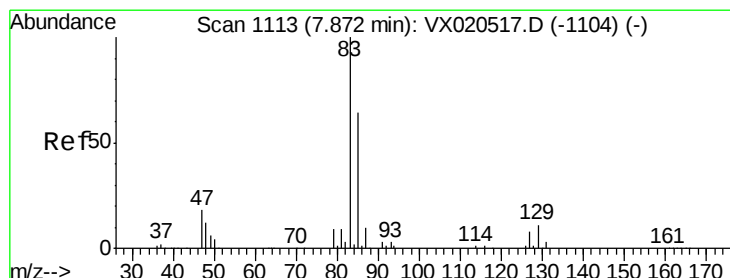
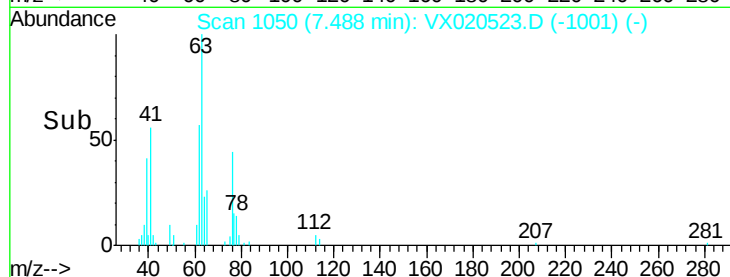
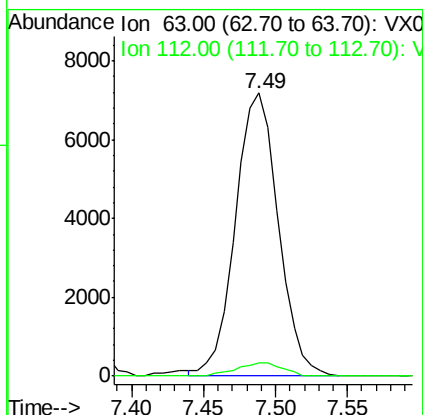
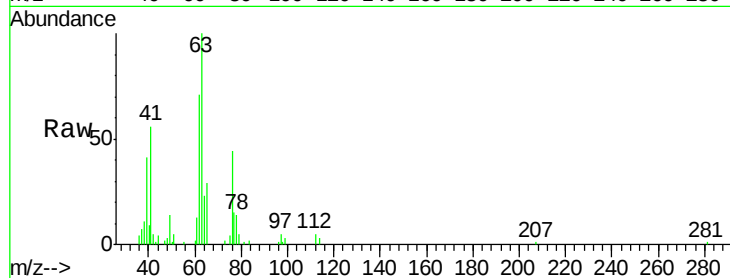




#37
 1,2-Dichloropropane
 Concen: 6.054 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

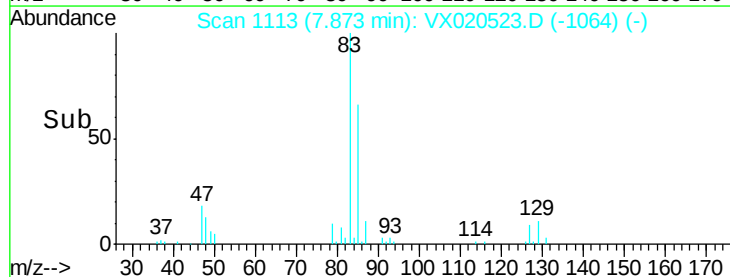
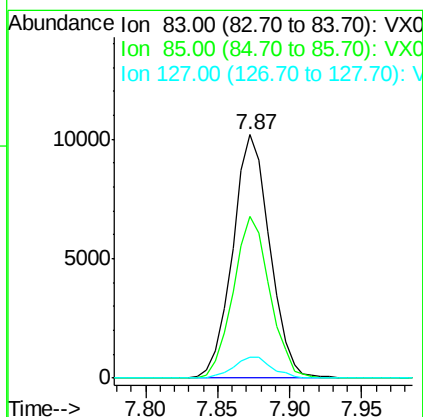
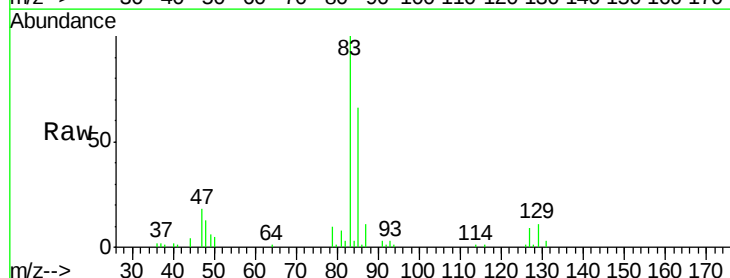
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

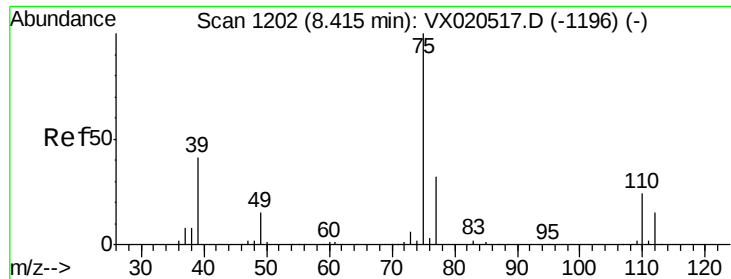
Tgt Ion: 63 Resp: 14875
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.306 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Tgt Ion: 83 Resp: 18239
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.1 83.7
 127 8.6 6.6 10.0

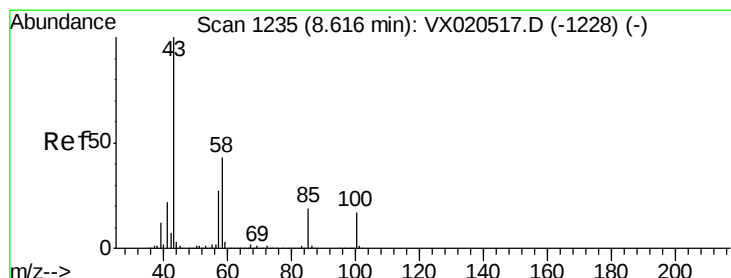
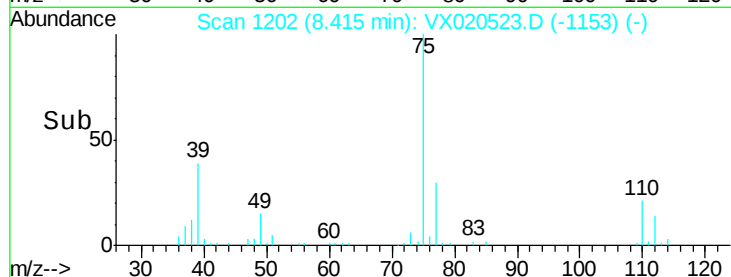
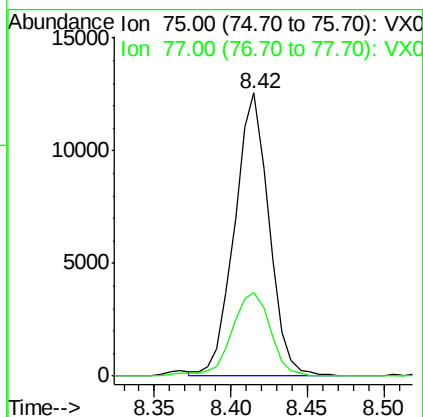
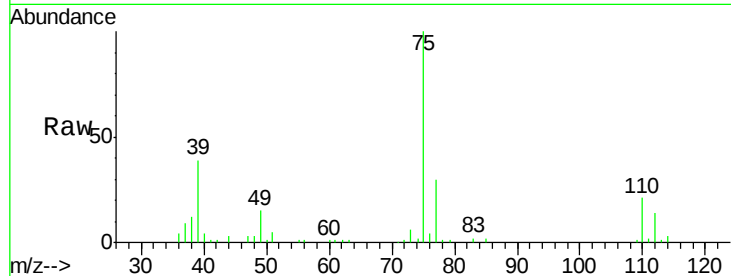




#39
 cis-1,3-Dichloropropene
 Concen: 5.031 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

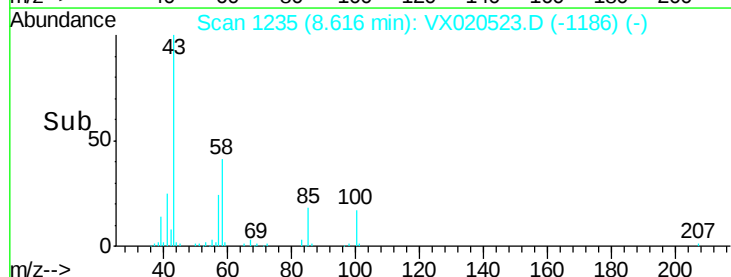
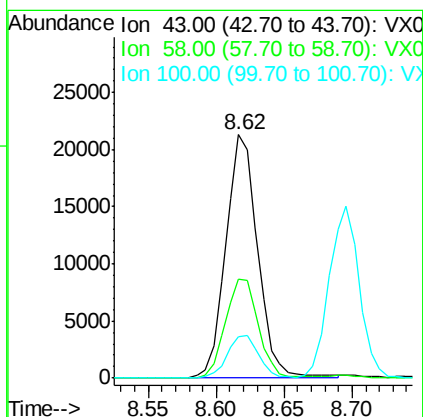
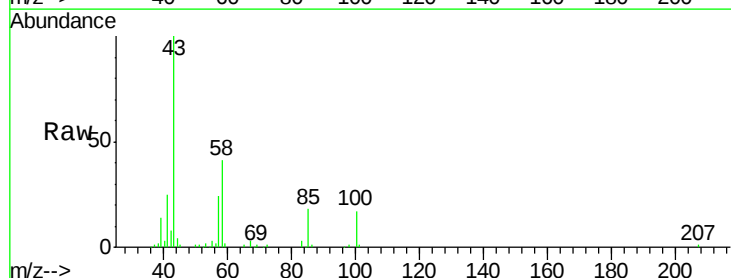
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

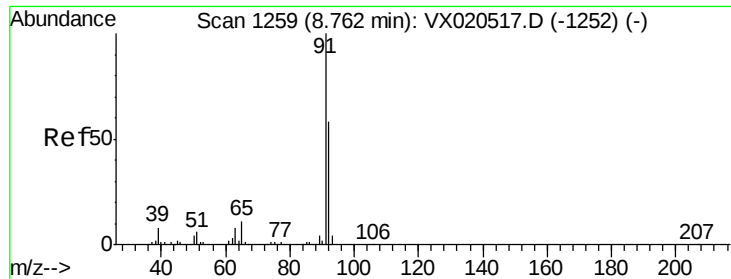
Tgt Ion: 75 Resp: 19666
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 10.673 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Tgt Ion: 43 Resp: 34748
 Ion Ratio Lower Upper
 43 100
 58 41.8 35.0 52.4
 100 17.3 14.2 21.4





#42

Toluene

Concen: 5.710 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

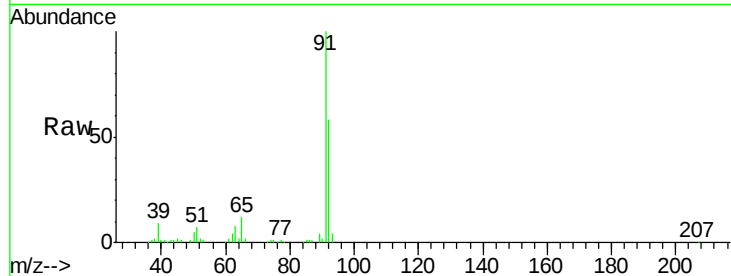
VSTD005403

Tgt Ion: 91 Resp: 57340

Ion Ratio Lower Upper

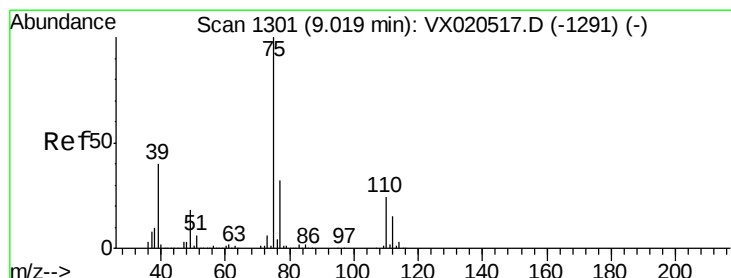
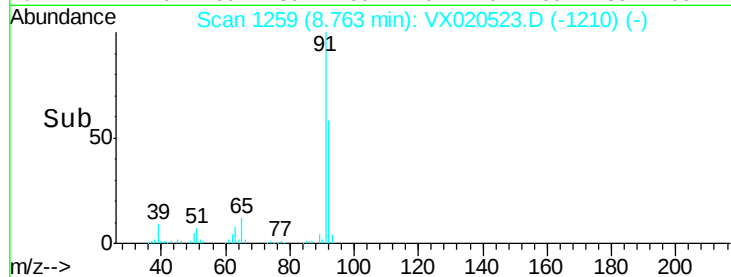
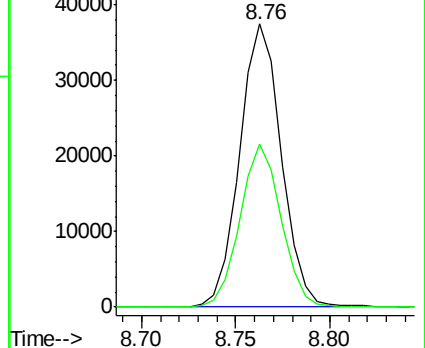
91 100

92 57.5 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#44

trans-1,3-Dichloropropene

Concen: 4.763 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020523.D

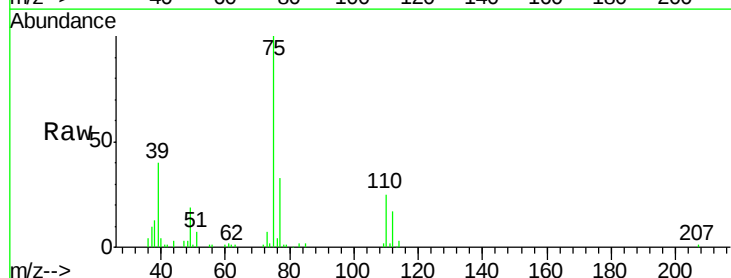
Acq: 06 Jan 2021 17:06

Tgt Ion: 75 Resp: 18849

Ion Ratio Lower Upper

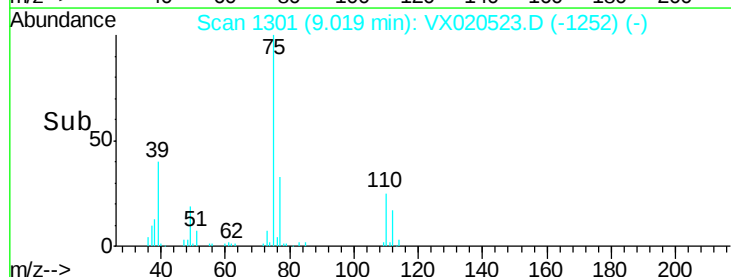
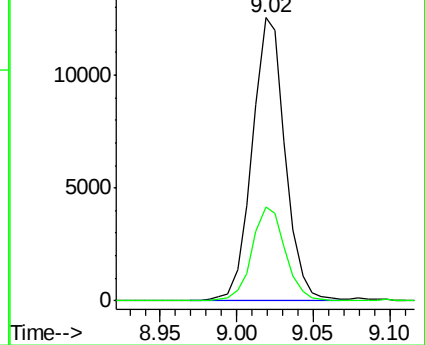
75 100

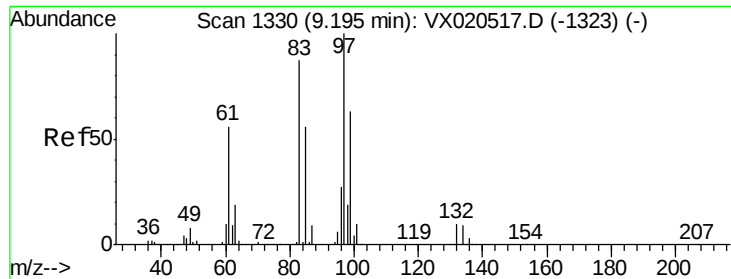
77 33.1 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

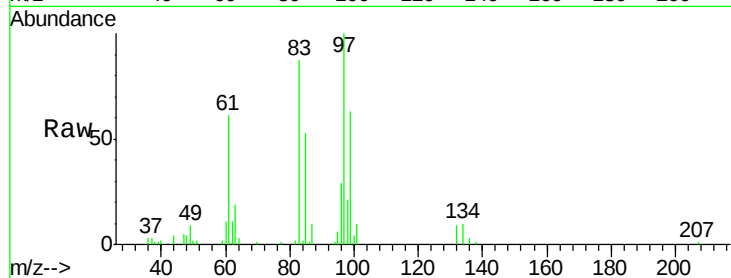




#45
 1,1,2-Trichloroethane
 Concen: 6.220 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

Tgt Ion:	97	Resp:	14669
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.0	81.6
83	86.7	60.8	113.0
85	53.4	39.4	73.2



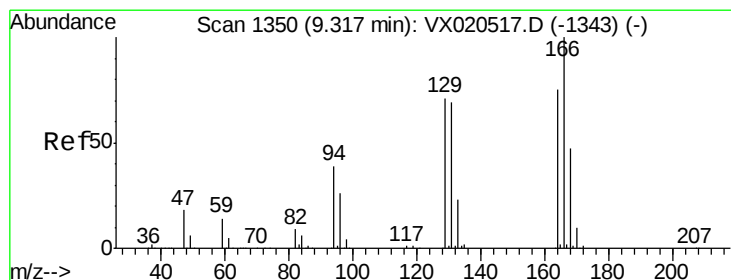
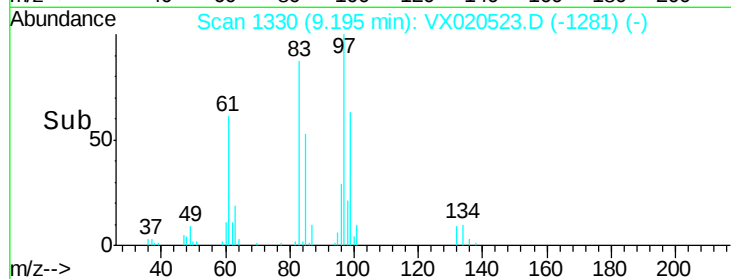
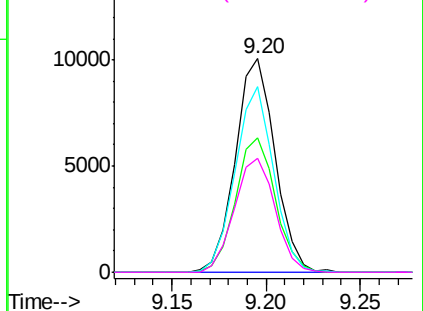
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

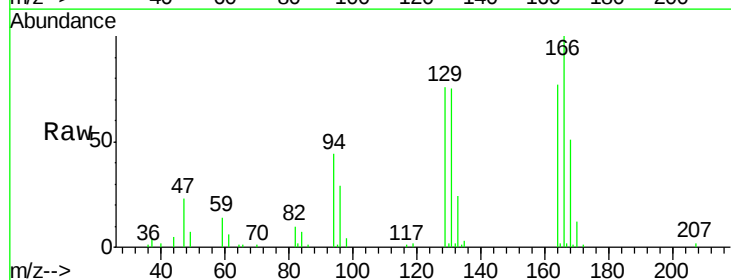
Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46
 Tetrachloroethene
 Concen: 5.464 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Tgt Ion:	164	Resp:	11322
Ion	Ratio	Lower	Upper
164	100		
129	97.8	65.6	121.8
131	97.5	63.7	118.3
166	129.3	93.0	172.6



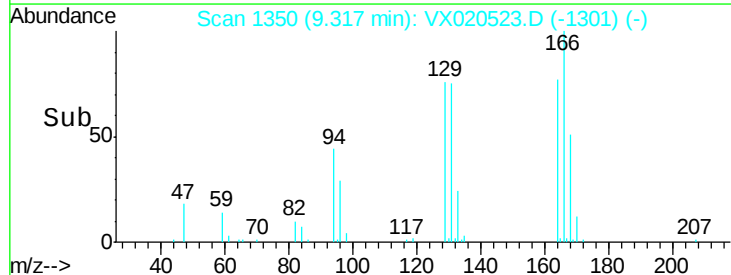
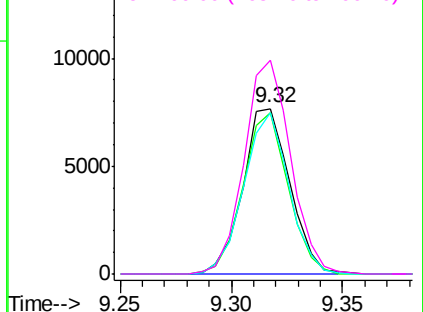
Abundance

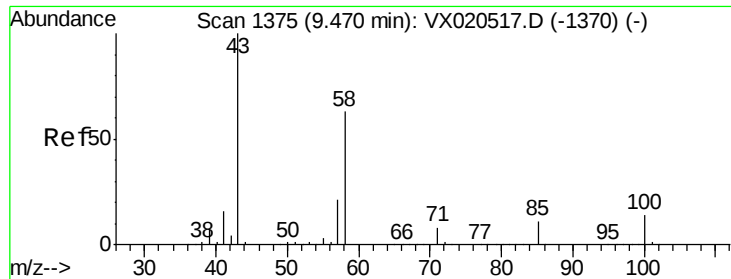
Ion 164.00 (163.70 to 164.70): V

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

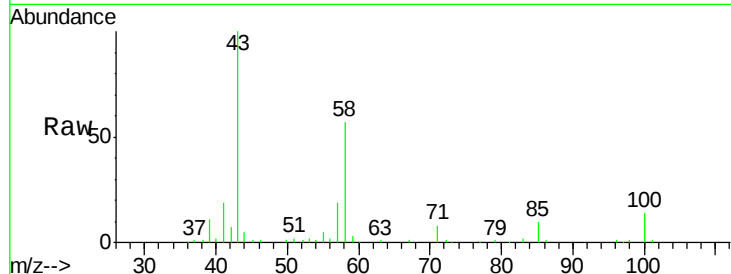




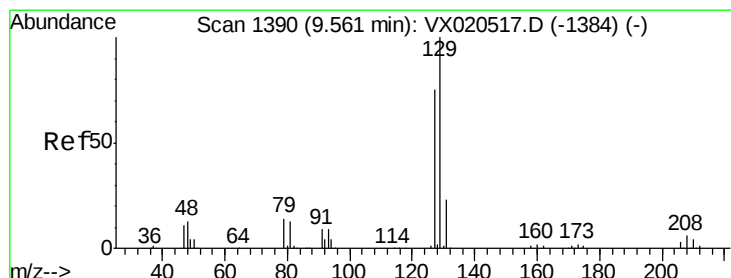
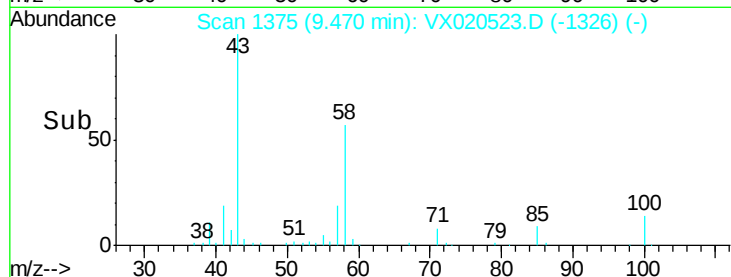
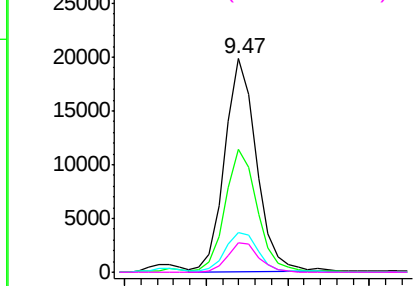
#48
2-Hexanone
Concen: 10.450 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020523.D
Acq: 06 Jan 2021 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

Tgt Ion: 43 Resp: 26642
Ion Ratio Lower Upper
43 100
58 57.8 50.1 75.1
57 19.4 17.3 25.9
100 13.8 11.4 17.2

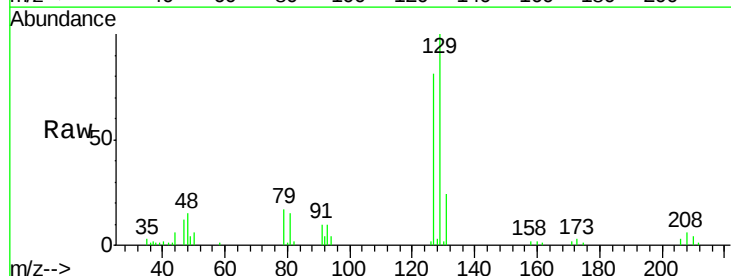


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 100.00 (99.70 to 100.70): V

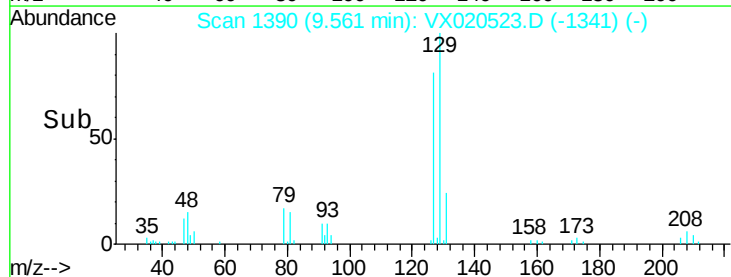
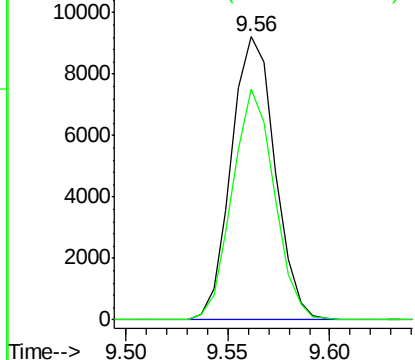


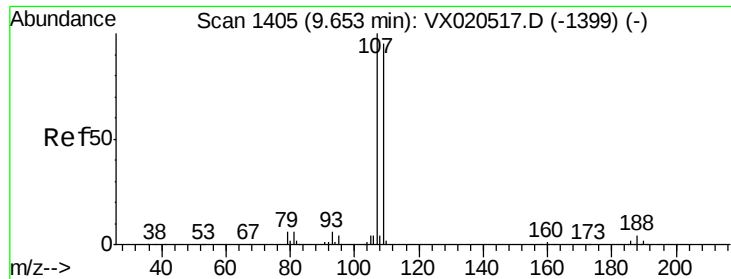
#49
Dibromochloromethane
Concen: 4.778 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020523.D
Acq: 06 Jan 2021 17:06

Tgt Ion: 129 Resp: 13699
Ion Ratio Lower Upper
129 100
127 81.4 52.5 97.5



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

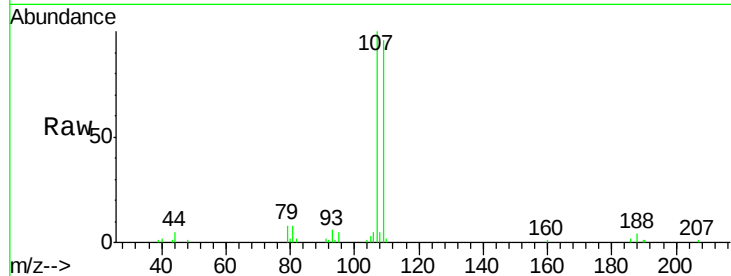




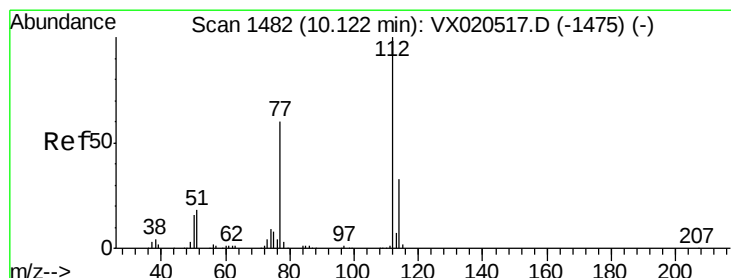
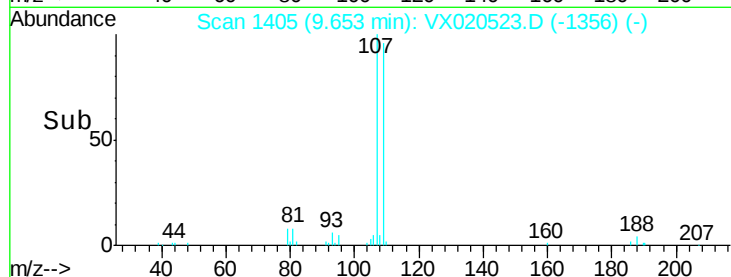
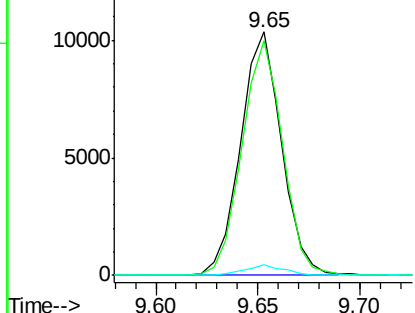
#50
1,2-Dibromoethane
Concen: 5.616 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX020523.D
Acq: 06 Jan 2021 17:06

Instrument :
MSVOA_X
ClientSampleId :
VSTD005403

Tgt Ion:107 Resp: 14462
Ion Ratio Lower Upper
107 100
109 96.3 66.4 123.4
188 4.1 3.2 4.8

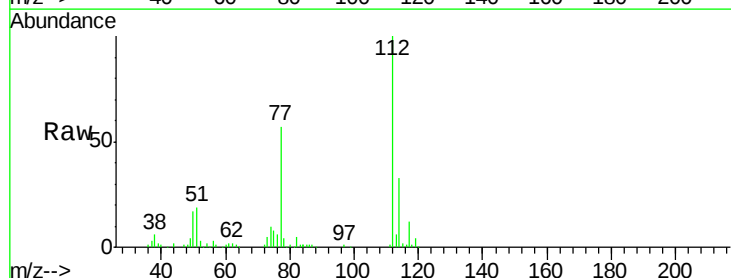


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

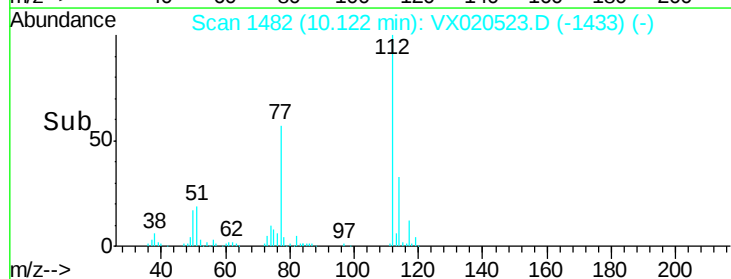
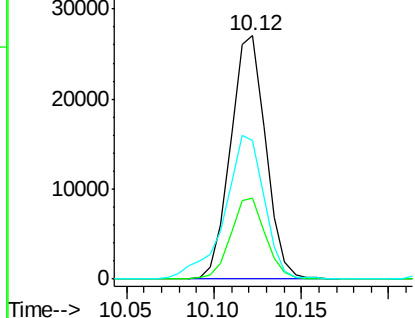


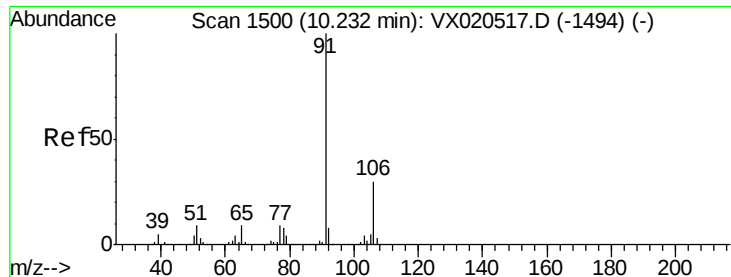
#51
Chlorobenzene
Concen: 5.715 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX020523.D
Acq: 06 Jan 2021 17:06

Tgt Ion:112 Resp: 37831
Ion Ratio Lower Upper
112 100
114 33.2 23.2 43.2
77 57.1 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: 5.366 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

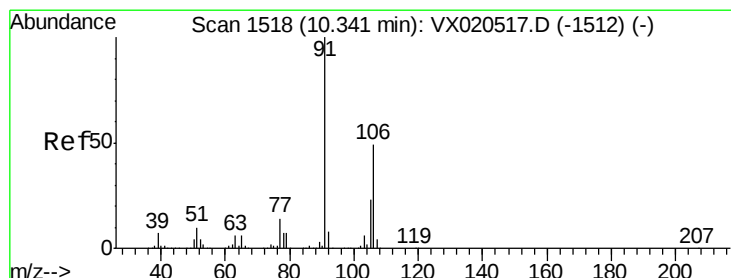
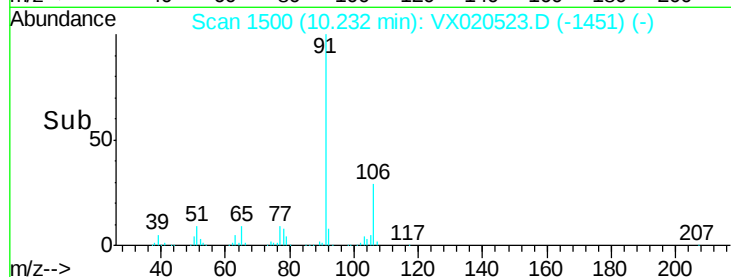
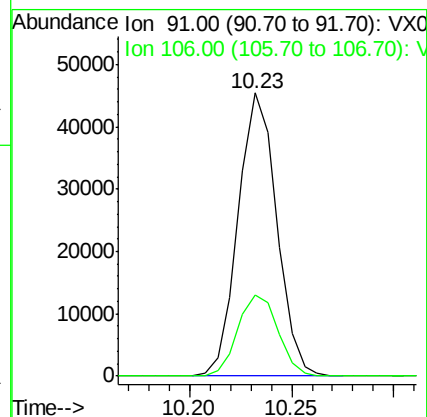
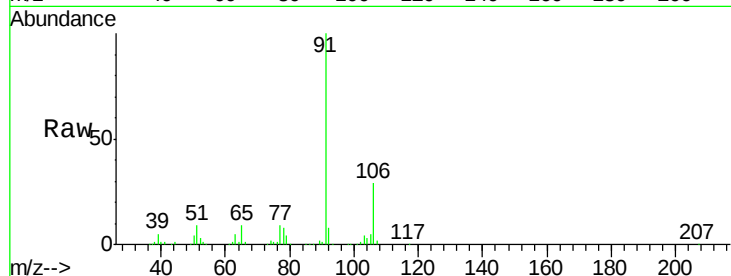
VSTD005403

Tgt Ion: 91 Resp: 59664

Ion Ratio Lower Upper

91 100

106 28.6 21.0 39.0



#53

m,p-Xylene

Concen: 5.147 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020523.D

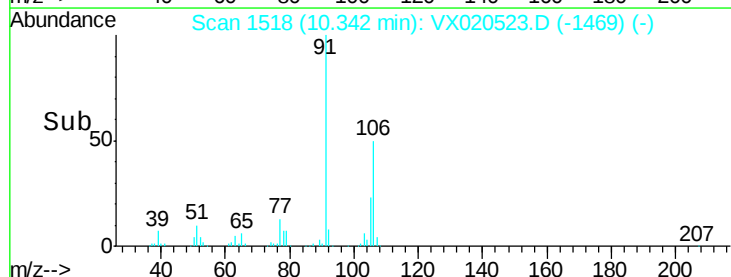
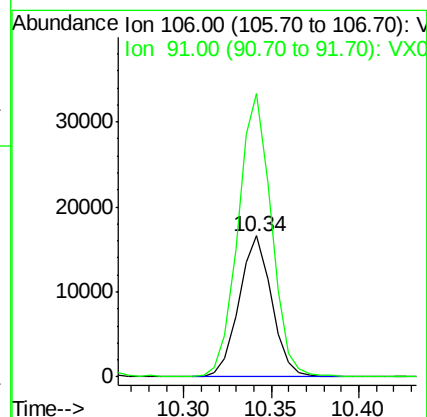
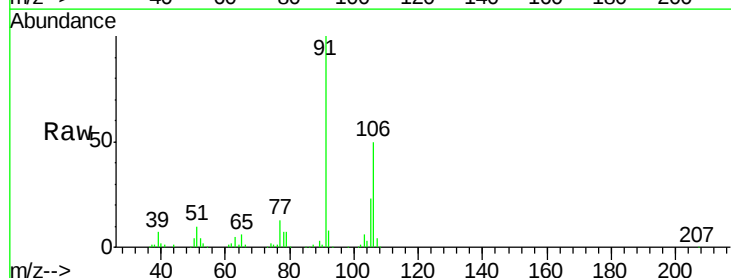
Acq: 06 Jan 2021 17:06

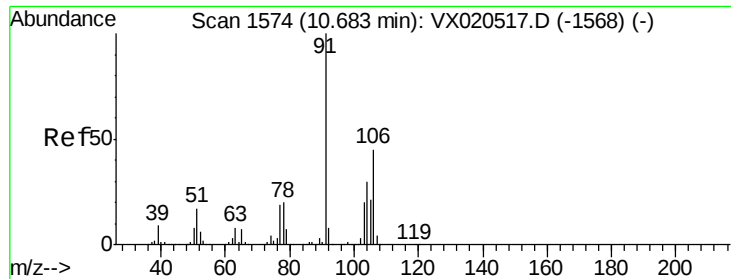
Tgt Ion: 106 Resp: 21604

Ion Ratio Lower Upper

106 100

91 200.9 142.5 264.6





#54

o-Xylene

Concen: 5.122 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

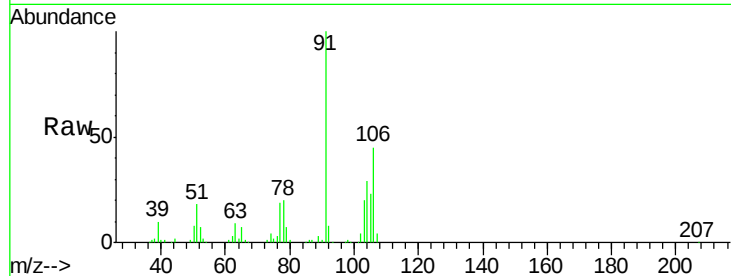
VSTD005403

Tgt Ion:106 Resp: 20624

Ion Ratio Lower Upper

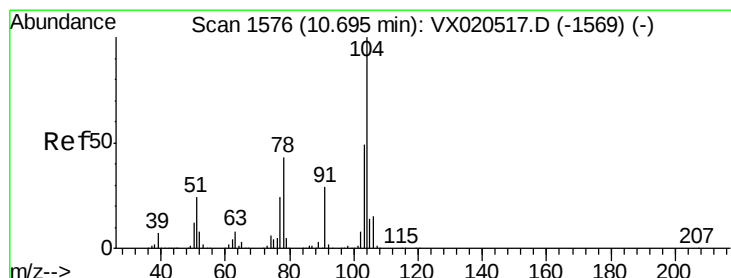
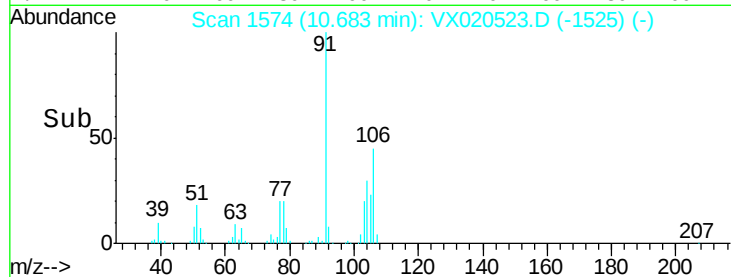
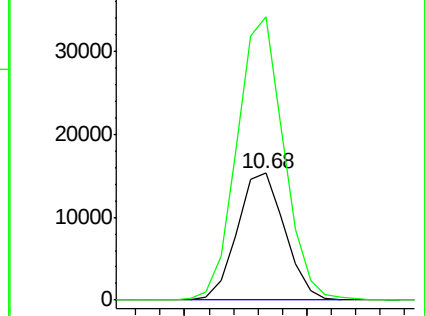
106 100

91 222.7 156.2 290.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#55

Styrene

Concen: 4.785 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX020523.D

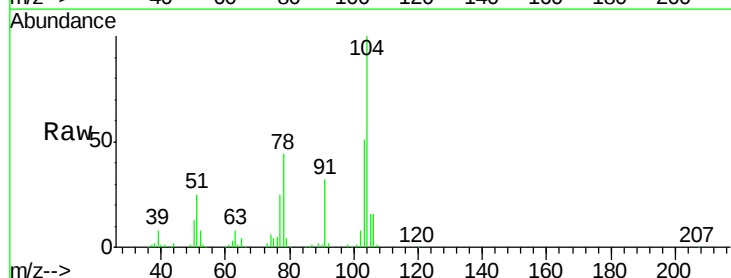
Acq: 06 Jan 2021 17:06

Tgt Ion:104 Resp: 33304

Ion Ratio Lower Upper

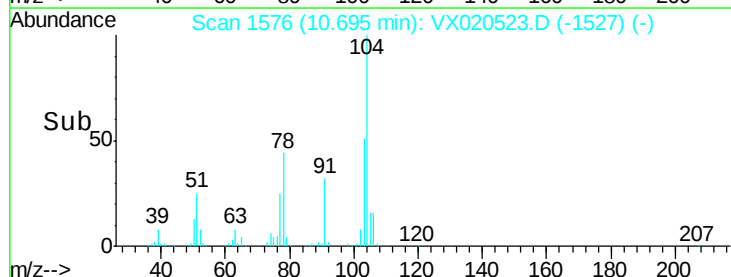
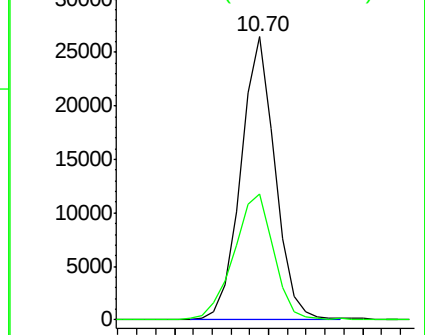
104 100

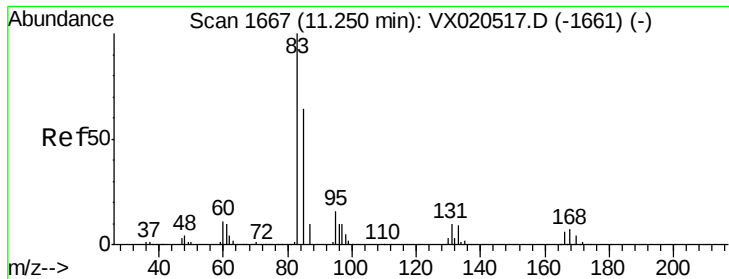
78 44.3 30.0 55.6



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: 6.360 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

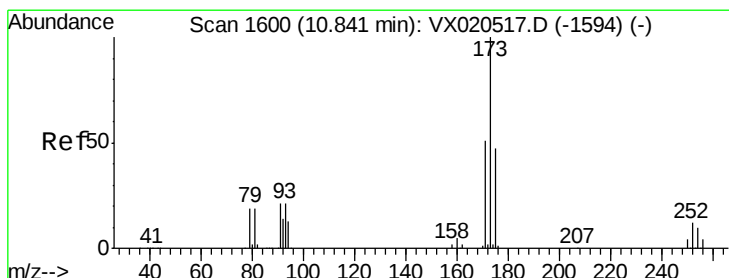
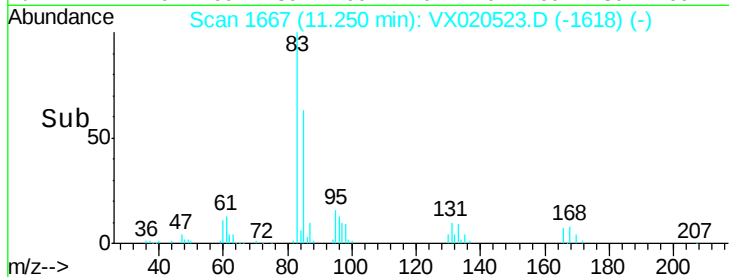
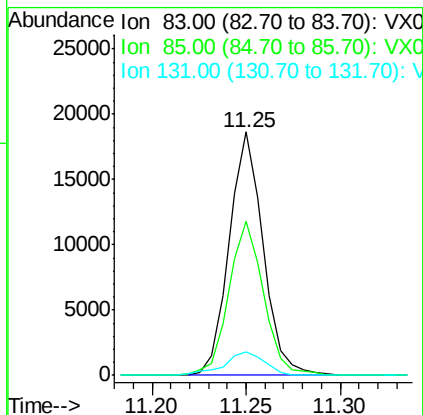
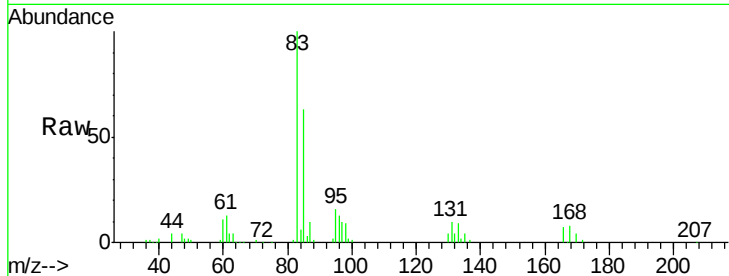
Tgt Ion: 83 Resp: 23290

Ion Ratio Lower Upper

83 100

85 63.2 44.7 82.9

131 9.7 7.8 11.8



#59

Bromoform

Concen: 5.012 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

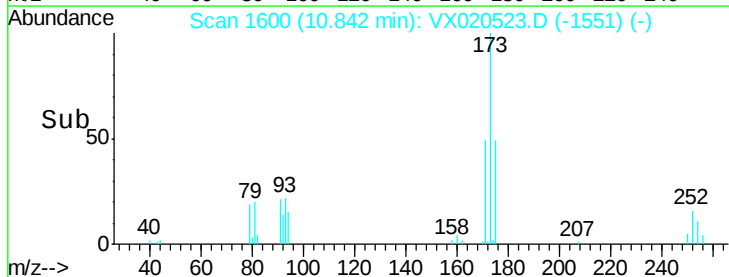
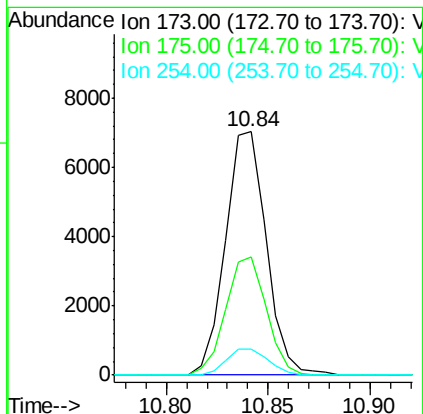
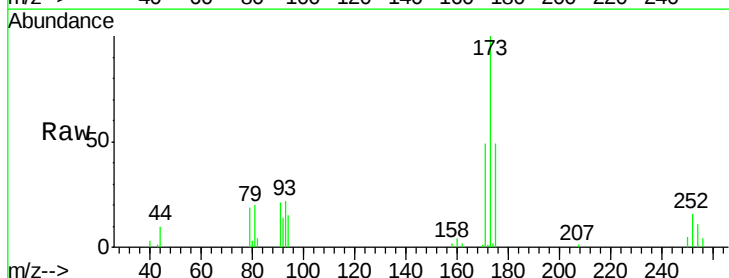
Tgt Ion: 173 Resp: 9752

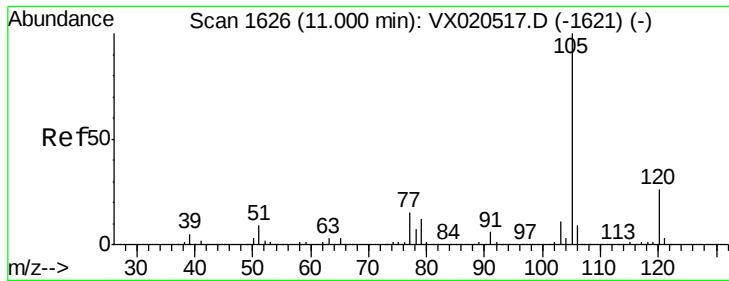
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.2

254 11.0 8.6 13.0





#60

Isopropylbenzene

Concen: 5.616 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

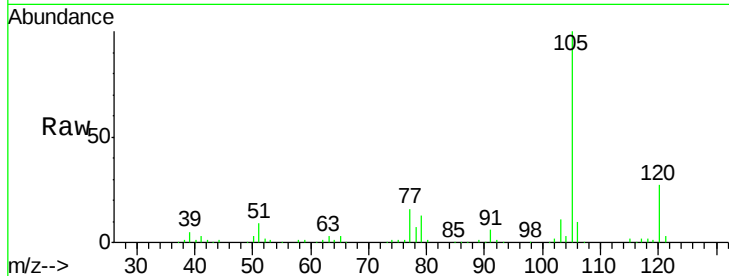
Tgt Ion: 105 Resp: 54959

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

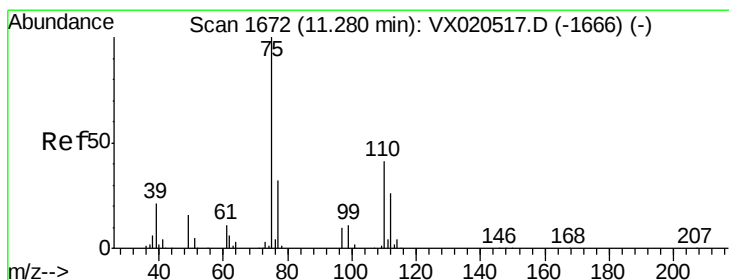
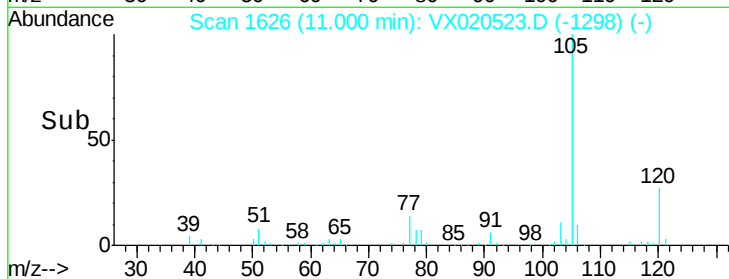
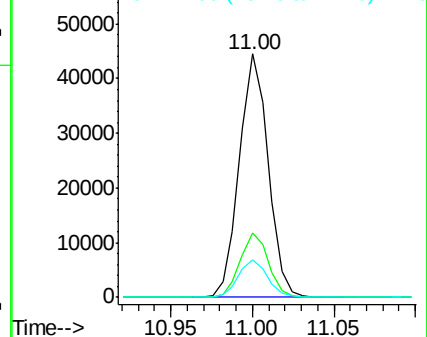
77 15.8 12.6 18.8



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: 6.951 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

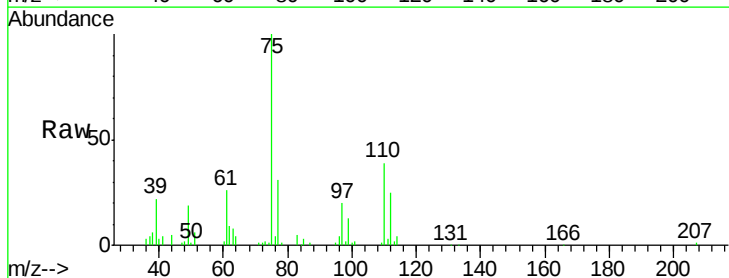
Tgt Ion: 75 Resp: 19574

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

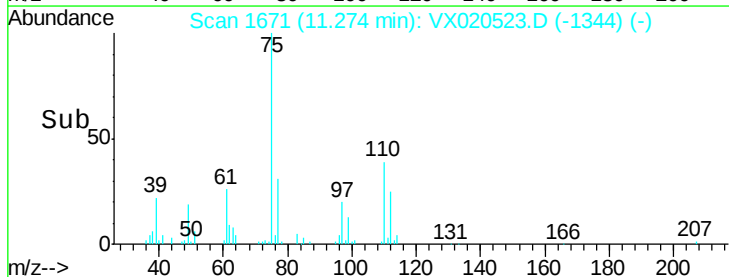
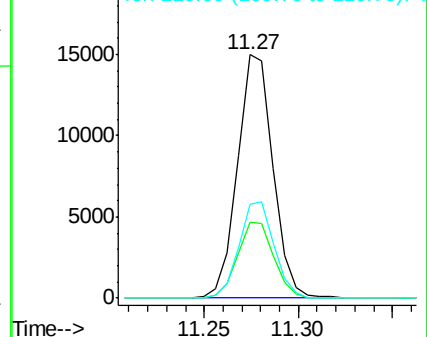
110 38.9 31.8 47.8

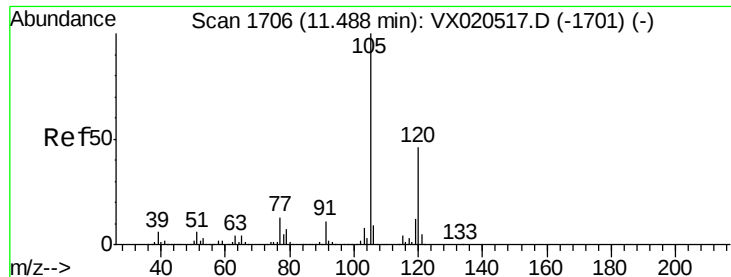


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V

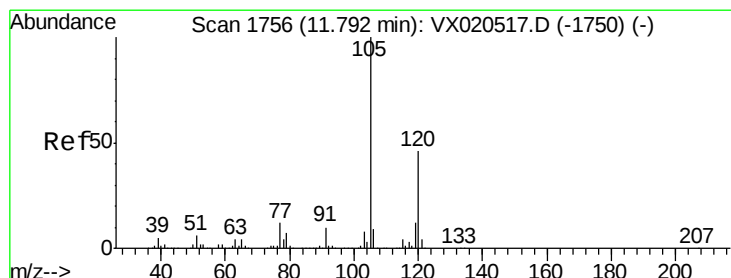
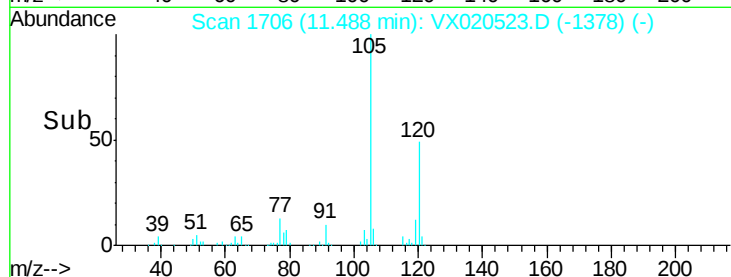
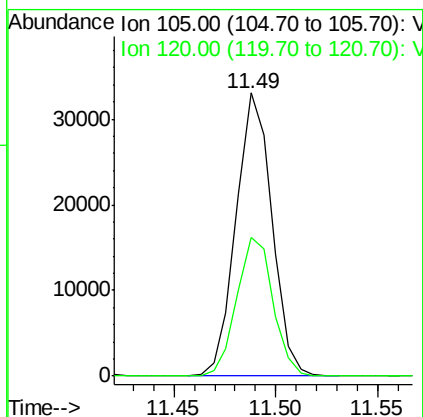
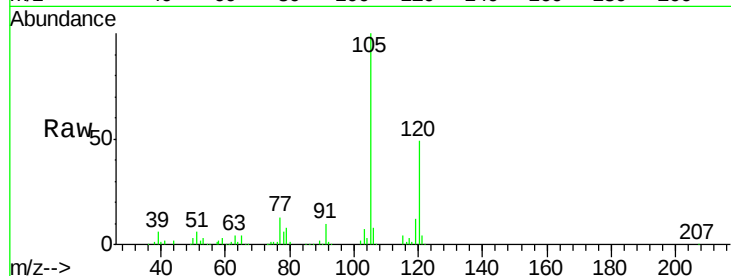




#62
 1,3,5-Trimethylbenzene
 Concen: 4.978 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

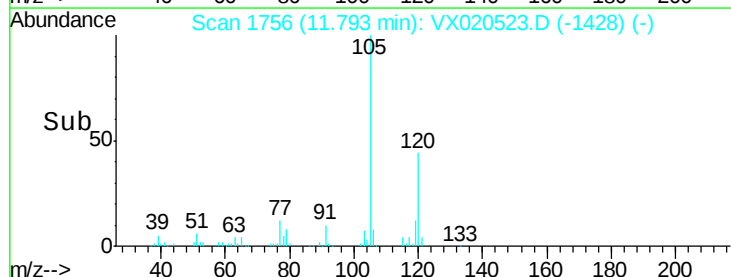
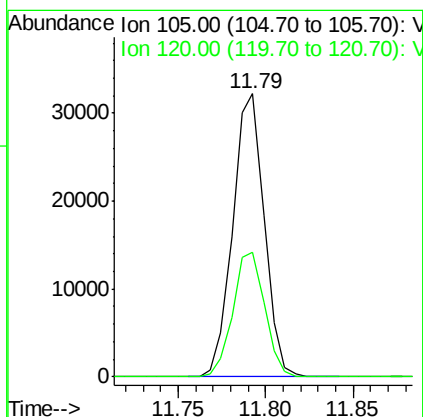
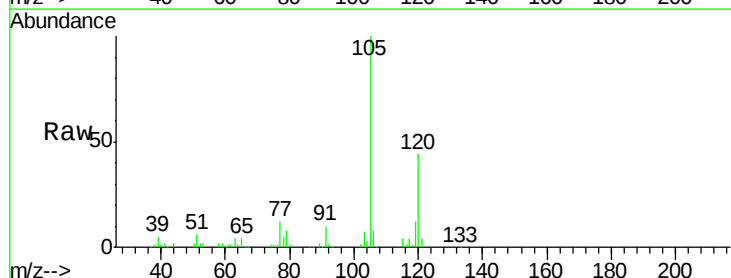
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

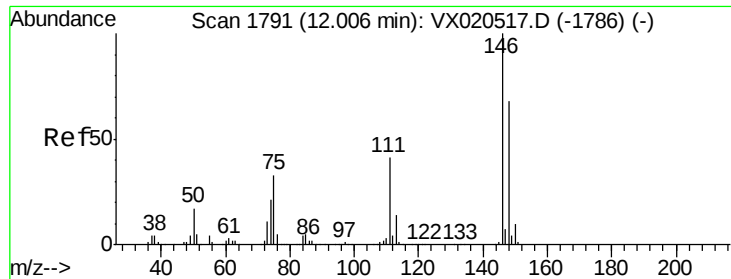
Tgt Ion:105 Resp: 40371
 Ion Ratio Lower Upper
 105 100
 120 49.3 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.924 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Tgt Ion:105 Resp: 40407
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 5.538 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

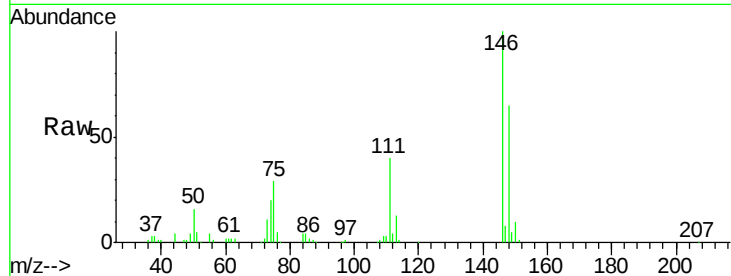
Tgt Ion:146 Resp: 26393

Ion Ratio Lower Upper

146 100

111 40.4 28.9 53.7

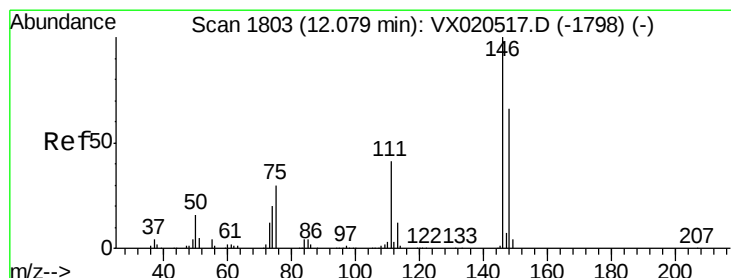
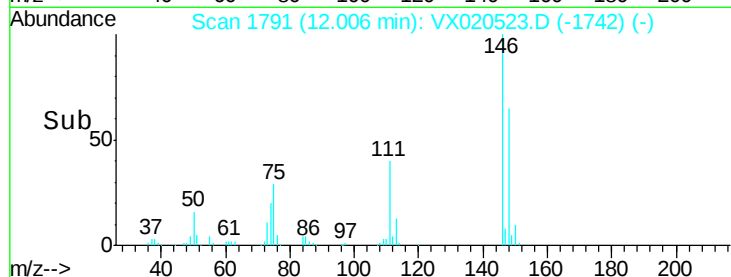
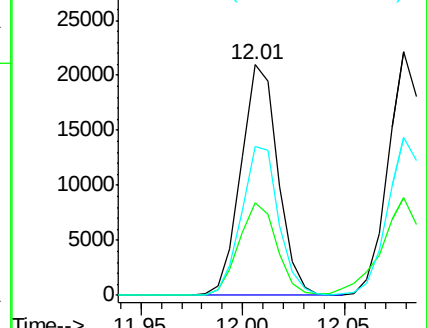
148 64.7 47.7 88.7



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: 5.676 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

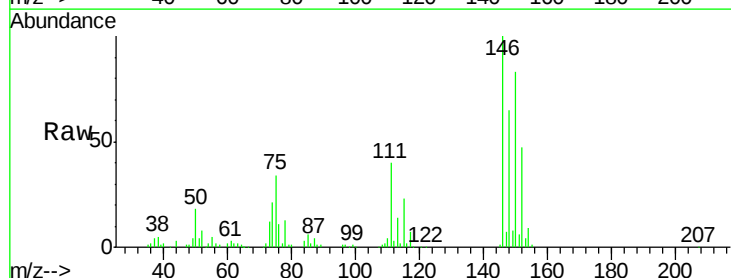
Tgt Ion:146 Resp: 27318

Ion Ratio Lower Upper

146 100

111 40.3 28.7 53.3

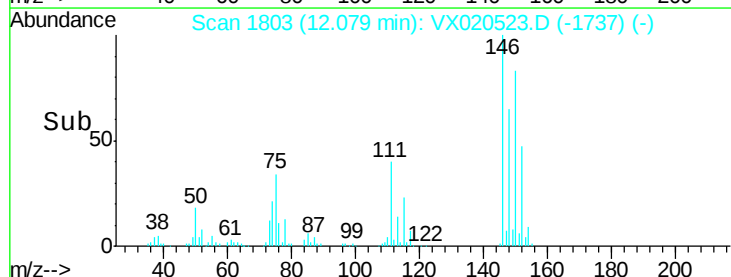
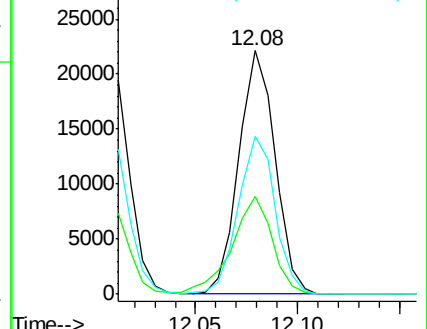
148 64.6 45.8 85.2

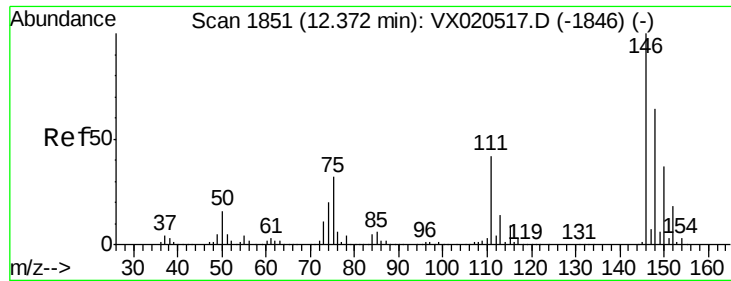


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

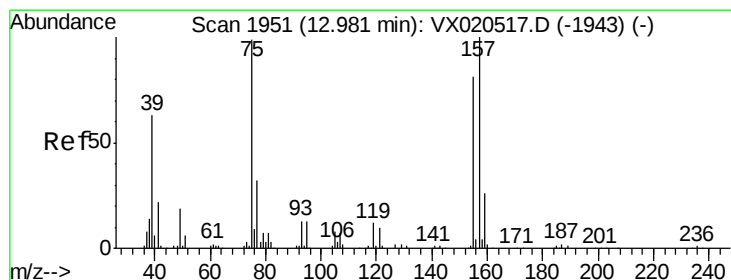
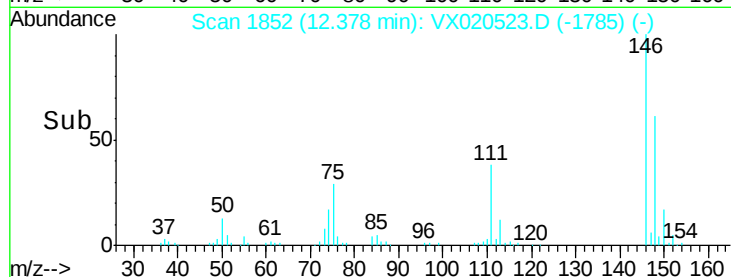
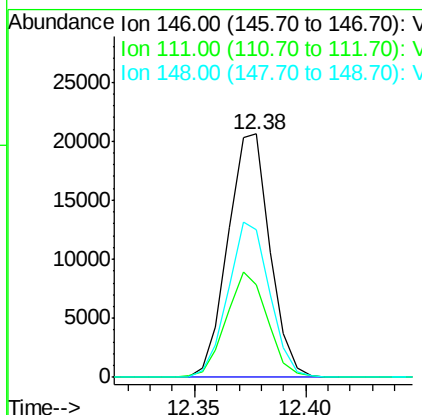
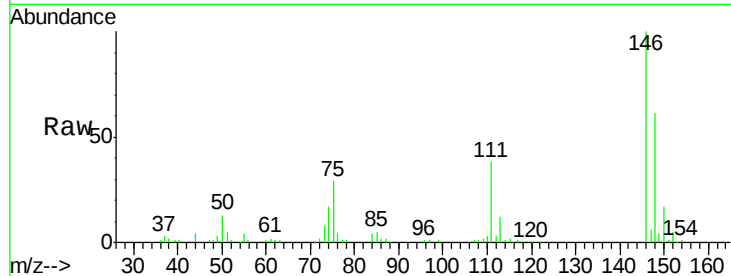




#67
 1,2-Dichlorobenzene
 Concen: 5.829 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

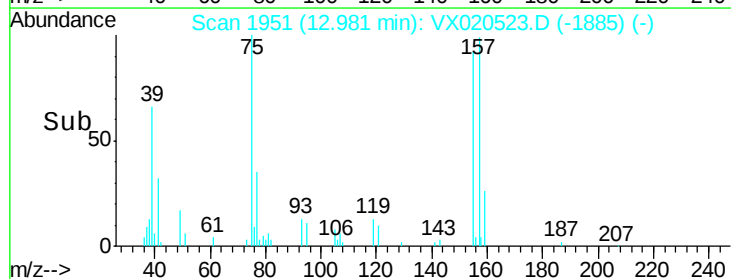
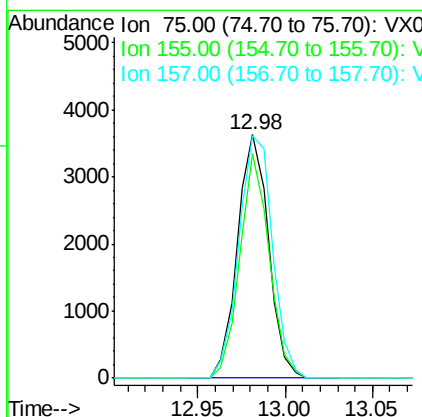
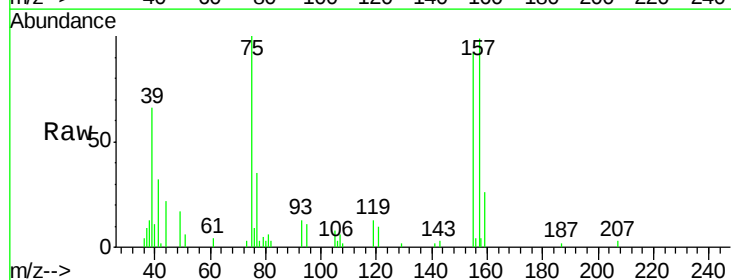
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD005403

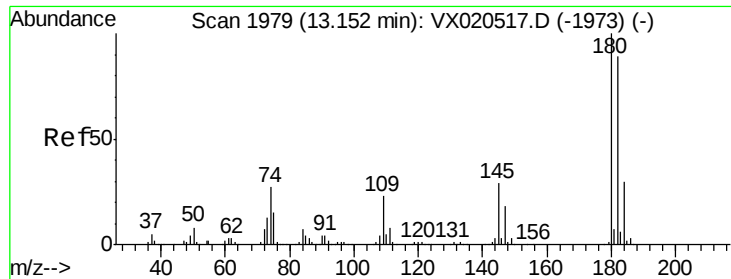
Tgt Ion: 146 Resp: 27056
 Ion Ratio Lower Upper
 146 100
 111 37.9 33.8 50.8
 148 60.7 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.530 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Tgt Ion: 75 Resp: 4460
 Ion Ratio Lower Upper
 75 100
 155 91.9 65.3 97.9
 157 99.5 80.5 120.7

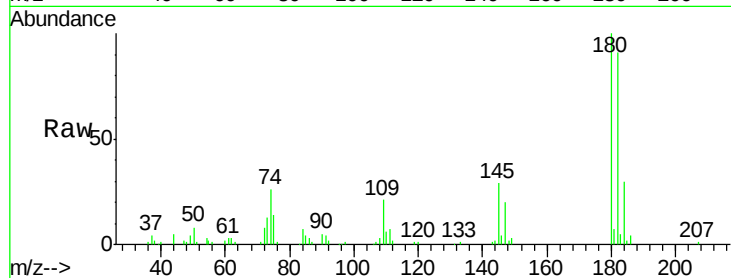




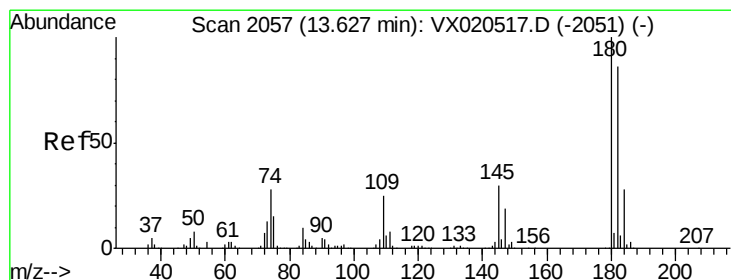
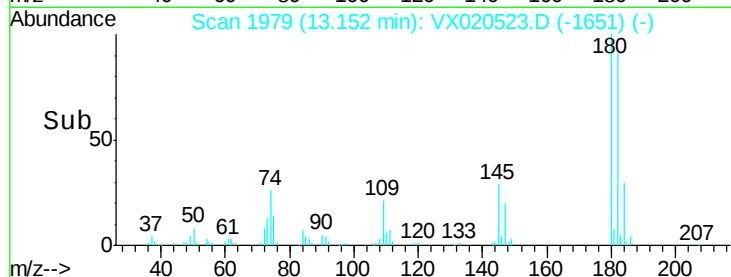
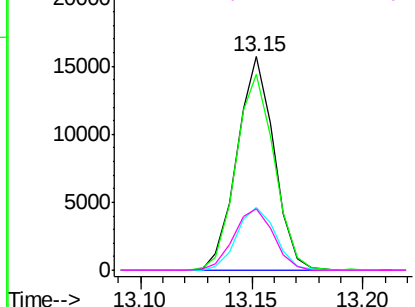
#69
 1,3,5-Trichlorobenzene
 Concen: 5.646 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005403

Tgt Ion:180 Resp: 18240
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.8 112.2
 184 30.4 24.1 36.1
 145 31.0 23.7 35.5

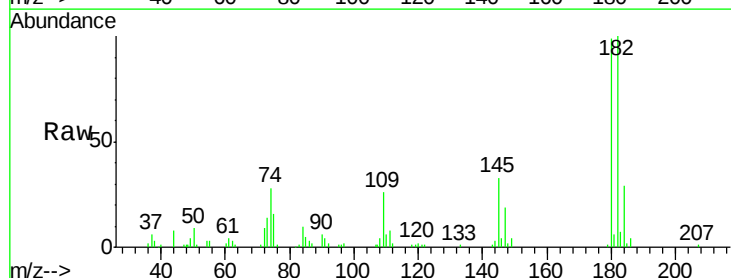


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

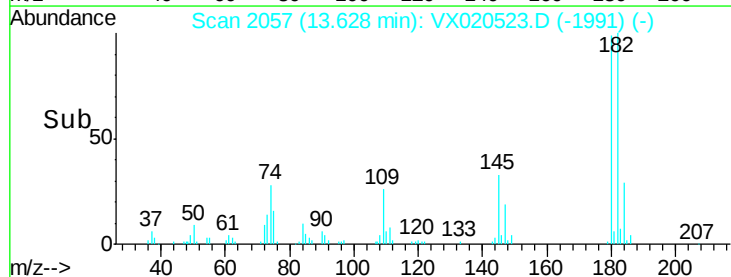
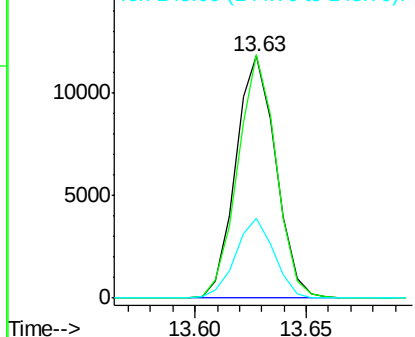


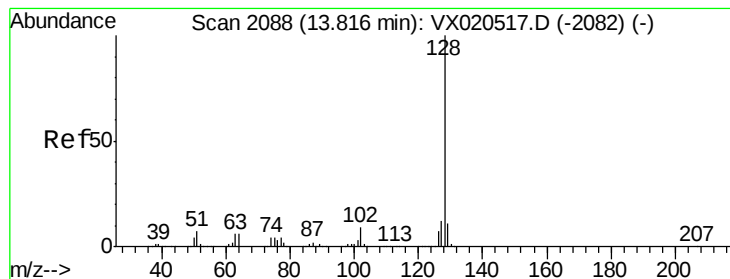
#70
 1,2,4-trichlorobenzene
 Concen: 5.062 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020523.D
 Acq: 06 Jan 2021 17:06

Tgt Ion:180 Resp: 14795
 Ion Ratio Lower Upper
 180 100
 182 96.0 74.3 111.5
 145 31.9 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: 4.600 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

Instrument :

MSVOA_X

ClientSampleId :

VSTD005403

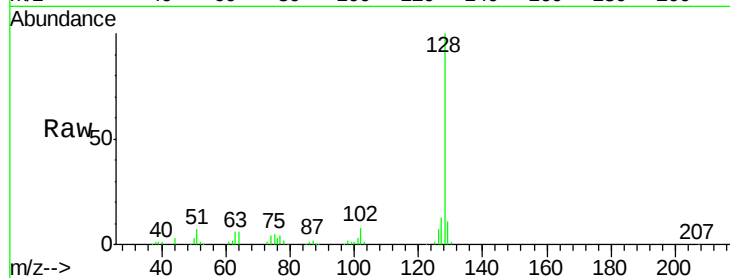
Tgt Ion:128 Resp: 42514

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

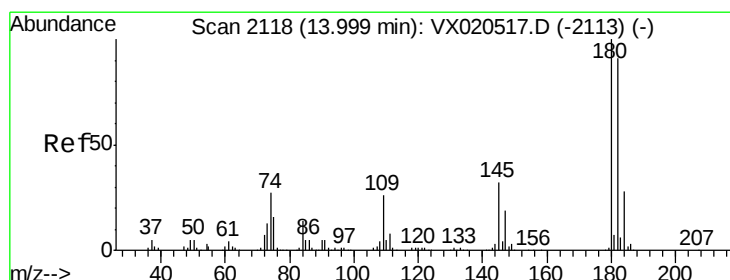
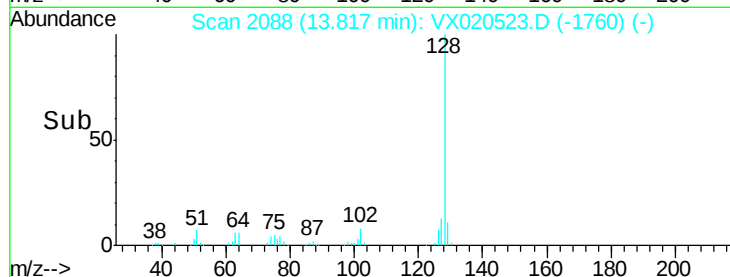
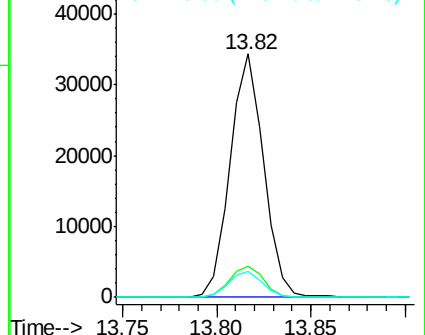
129 10.7 8.6 13.0



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: 5.075 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX020523.D

Acq: 06 Jan 2021 17:06

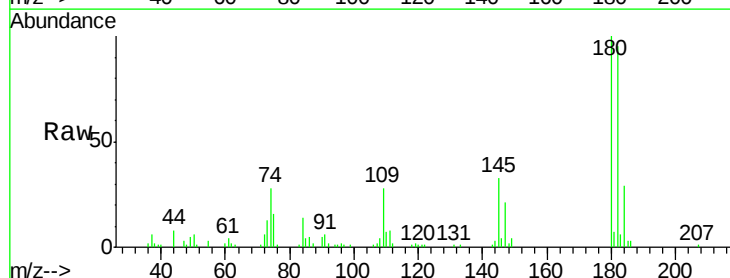
Tgt Ion:180 Resp: 14847

Ion Ratio Lower Upper

180 100

182 93.2 74.6 112.0

145 31.8 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

