

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX010721\
 Data File : VX020518.D
 Acq On : 06 Jan 2021 14:25
 Operator : JC/MD
 Sample : VSTD10036
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100406

Quant Time: Jan 06 15:09:47 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	352452	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	345093	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	176635	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	308804	124.45	ug/L	0.00
7) Chloroethane-d5	1.68	69	240758	126.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	568865	115.46	ug/L	0.00
21) 2-Butanone-d5	4.53	46	373170	234.76	ug/L	0.00
24) Chloroform-d	5.14	84	538853	116.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	342223	101.09	ug/L	0.00
32) Benzene-d6	6.05	84	1125848	120.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	344061	118.27	ug/L	0.00
41) Toluene-d8	8.70	98	1045848	115.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	180912	112.28	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	335117	275.90	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	481954	123.16	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	380751	109.57	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	345186	110.708	ug/L	99
3) Chloromethane	1.31	50	308490	124.946	ug/L	99
5) Vinyl chloride	1.39	62	330479	121.486	ug/L	99
6) Bromomethane	1.62	94	123077	84.780	ug/L	99
8) Chloroethane	1.70	64	195697	122.795	ug/L	99
9) Trichlorofluoromethane	1.91	101	413465	96.082	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	255214	105.760	ug/L	97
13) Acetone	2.42	43	268150	223.454	ug/L	99
14) Carbon disulfide	2.54	76	815492	117.228	ug/L	99
15) Methyl Acetate	2.75	43	283817	113.856	ug/L	100
16) Methylene chloride	2.83	84	295668	116.720	ug/L	99
17) trans-1,2-Dichloroethene	3.14	96	272402	113.487	ug/L	98
18) Methyl tert-butyl Ether	3.17	73	859095	112.844	ug/L	100
19) 1,1-Dichloroethane	3.67	63	494384	111.557	ug/L	99
20) cis-1,2-Dichloroethene	4.56	96	304848	115.509	ug/L	99
22) 2-Butanone	4.63	43	427413	237.290	ug/L	98
23) Bromochloromethane	4.98	128	153067	107.736	ug/L	97
25) Chloroform	5.17	83	527670	106.905	ug/L	98
27) 1,2-Dichloroethane	6.16	62	396909	102.644	ug/L	99
29) Cyclohexane	5.54	56	455775	118.010	ug/L	100
30) 1,1,1-Trichloroethane	5.46	97	451778	98.843	ug/L	99
31) Carbon tetrachloride	5.75	117	386829	94.992	ug/L	99
33) Benzene	6.11	78	1161667	116.522	ug/L	100
34) Trichloroethene	7.18	95	293627	107.747	ug/L	98
35) Methylcyclohexane	7.44	83	468709	117.231	ug/L	99
37) 1,2-Dichloropropane	7.49	63	288966	110.455	ug/L	100
38) Bromodichloromethane	7.87	83	384349	105.011	ug/L	99
39) cis-1,3-Dichloropropene	8.42	75	473475	113.750	ug/L	100
40) 4-Methyl-2-pentanone	8.62	43	826450	238.407	ug/L	100
42) Toluene	8.76	91	1263337	118.152	ug/L	99

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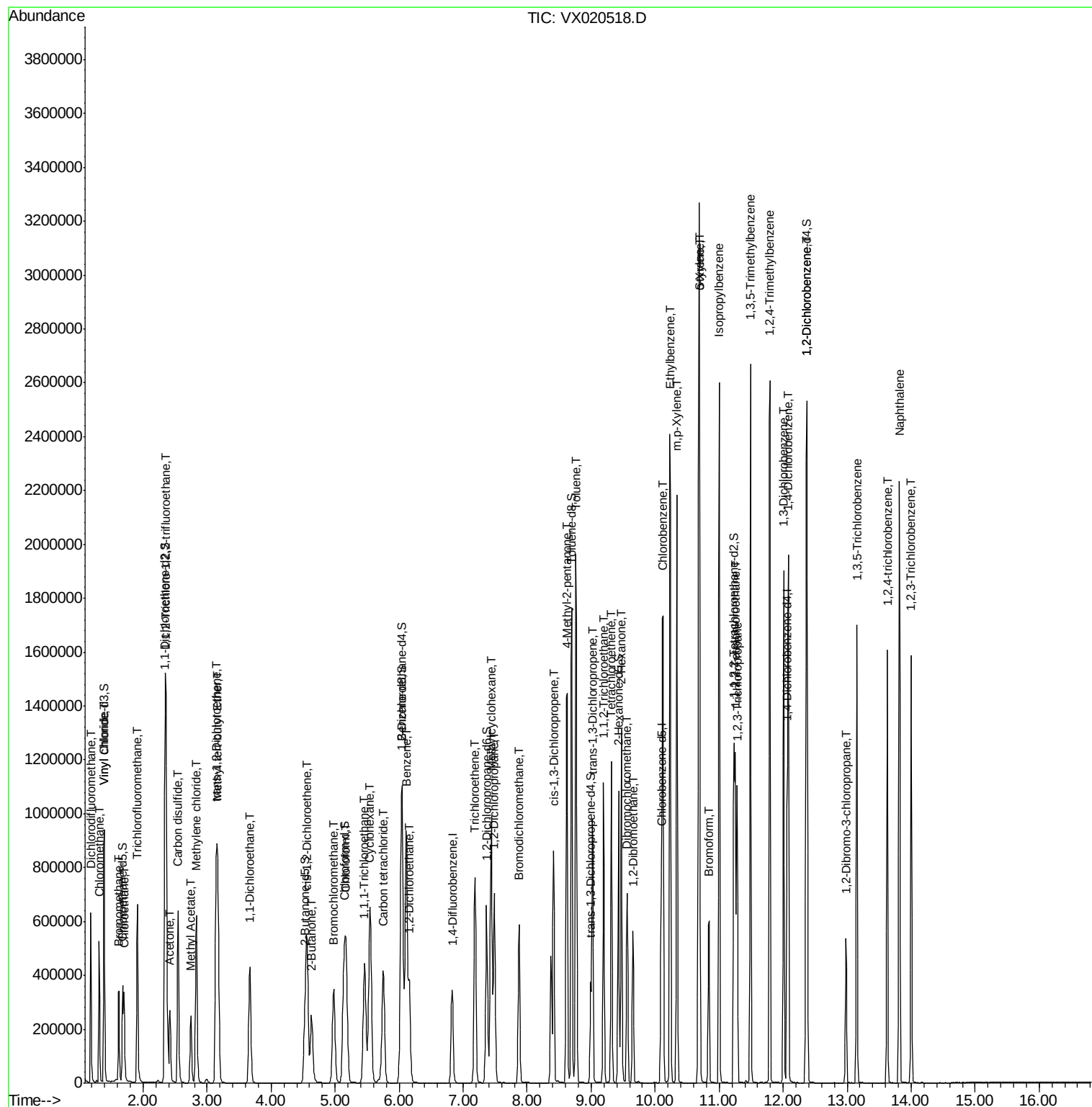
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	9.02	75	465872	110.561	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	293390	116.831	ug/L	98
46) Tetrachloroethene	9.32	164	232540	105.404	ug/L	98
48) 2-Hexanone	9.47	43	653166	240.612	ug/L	100
49) Dibromochloromethane	9.56	129	317291	103.942	ug/L	98
50) 1,2-Dibromoethane	9.65	107	309346	112.833	ug/L	98
51) Chlorobenzene	10.12	112	785114	111.402	ug/L	99
52) Ethylbenzene	10.23	91	1389928	117.415	ug/L	99
53) m,p-Xylene	10.34	106	508601	113.800	ug/L	99
54) o-Xylene	10.68	106	499395	116.483	ug/L	94
55) Styrene	10.70	104	863383	116.514	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	465662	119.423	ug/L	99
59) Bromoform	10.84	173	228461	99.820	ug/L	99
60) Isopropylbenzene	11.00	105	1318603	114.556	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	379355	114.533	ug/L	100
62) 1,3,5-Trimethylbenzene	11.49	105	1138990	119.386	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	1154133	119.563	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	610714	108.938	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	593626	104.860	ug/L	99
67) 1,2-Dichlorobenzene	12.37	146	611154	111.939	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.98	75	103539	109.142	ug/L	98
69) 1,3,5-Trichlorobenzene	13.15	180	424643	111.737	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	372194	108.267	ug/L	98
71) Naphthalene	13.82	128	1319738	121.402	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	383565	111.470	ug/L	100

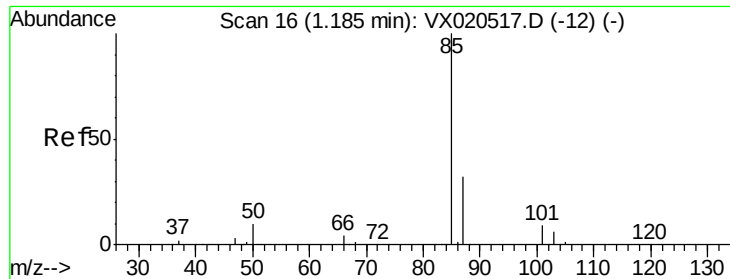
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 110.708 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

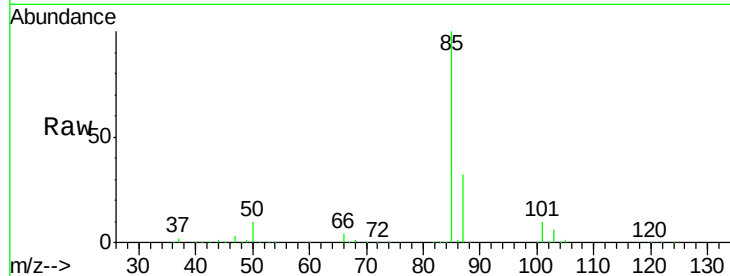
VSTD100406

Tgt Ion: 85 Resp: 345186

Ion Ratio Lower Upper

85 100

87 32.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1.18

400000

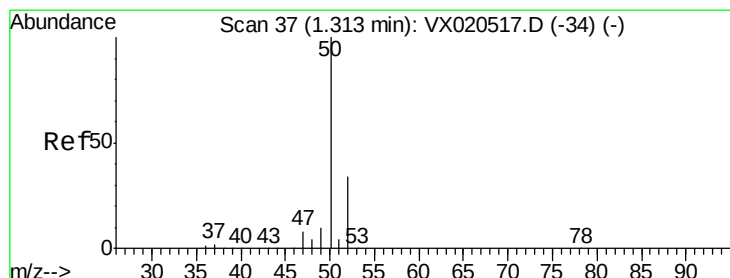
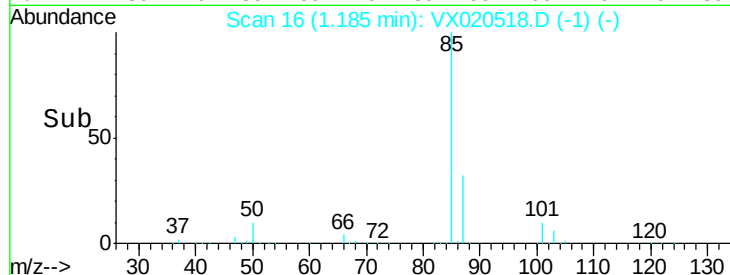
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 124.946 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020518.D

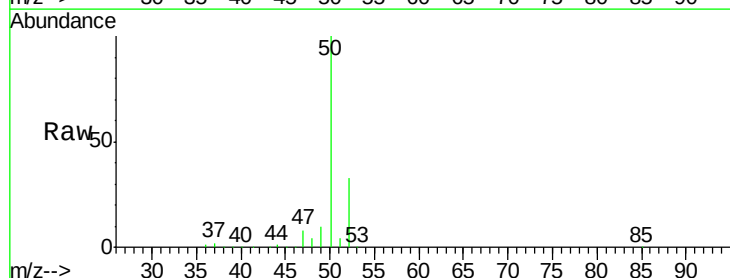
Acq: 06 Jan 2021 14:25

Tgt Ion: 50 Resp: 308490

Ion Ratio Lower Upper

50 100

52 33.4 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.31

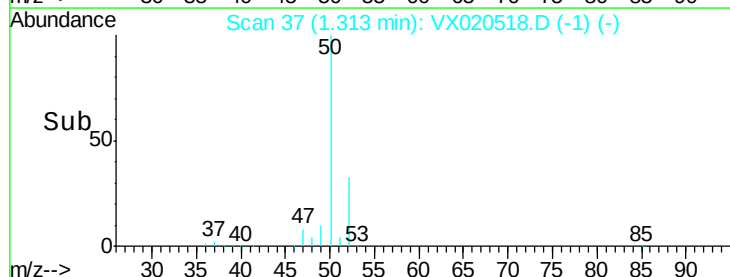
300000

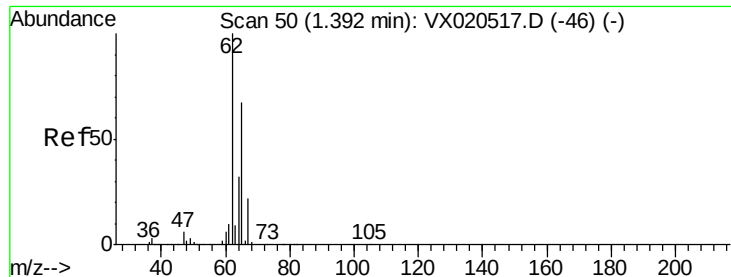
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 121.486 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

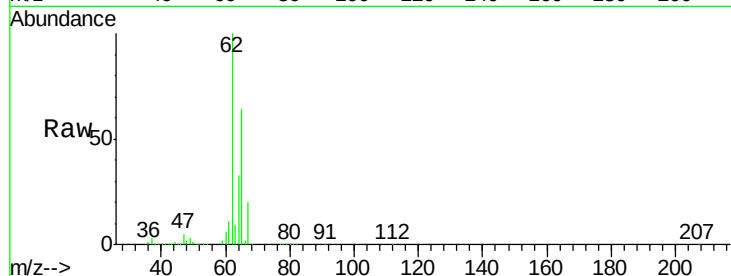
VSTD100406

Tgt Ion: 62 Resp: 330479

Ion Ratio Lower Upper

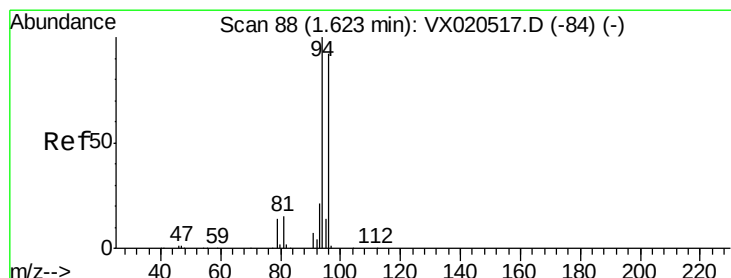
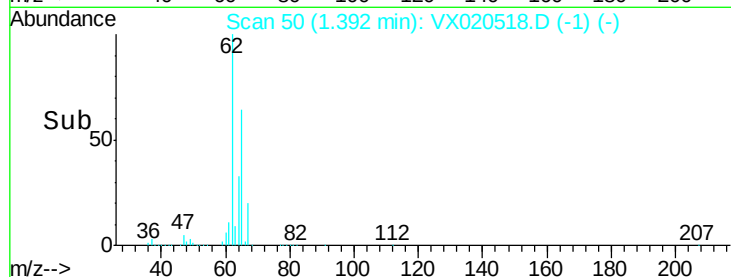
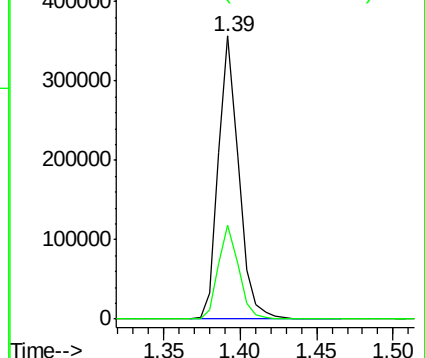
62 100

64 33.0 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: 84.780 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX020518.D

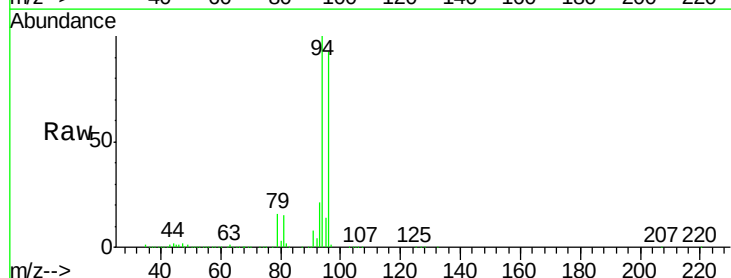
Acq: 06 Jan 2021 14:25

Tgt Ion: 94 Resp: 123077

Ion Ratio Lower Upper

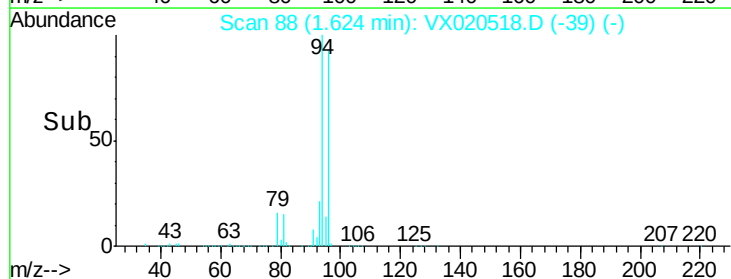
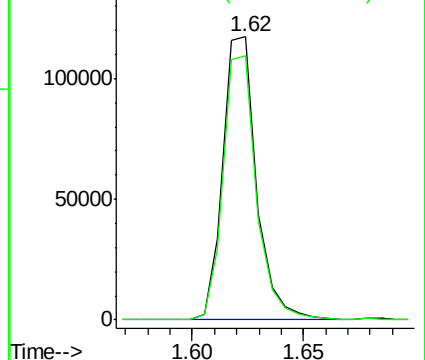
94 100

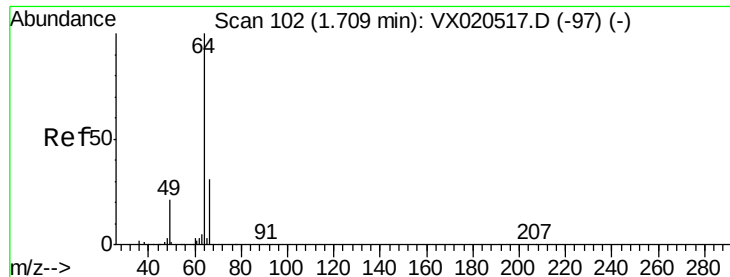
96 93.4 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 122.795 ug/L

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

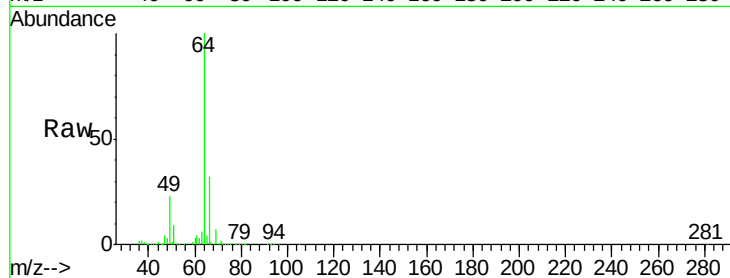
VSTD100406

Tgt Ion: 64 Resp: 195697

Ion Ratio Lower Upper

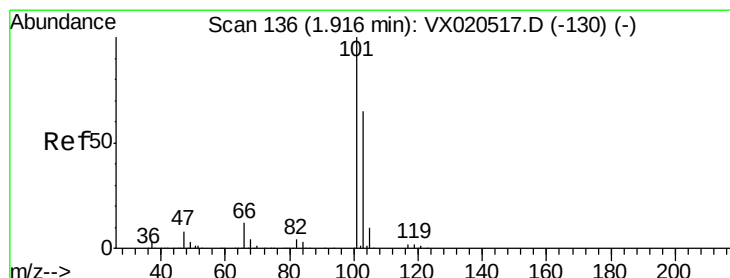
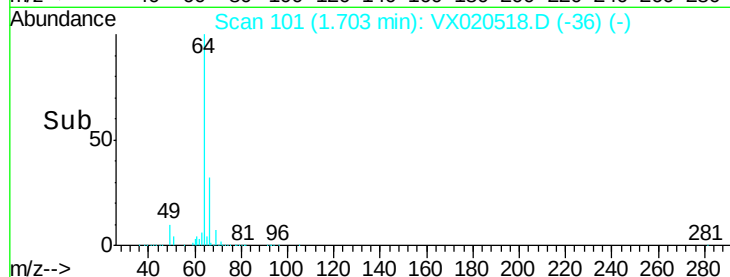
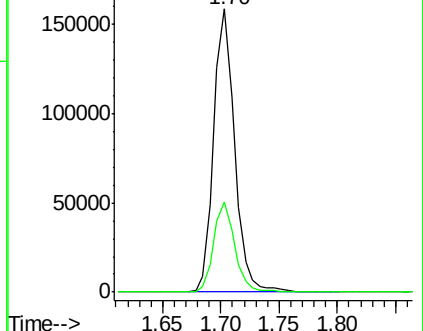
64 100

66 31.9 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



#9

Trichlorofluoromethane

Concen: 96.082 ug/L

RT: 1.91 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX020518.D

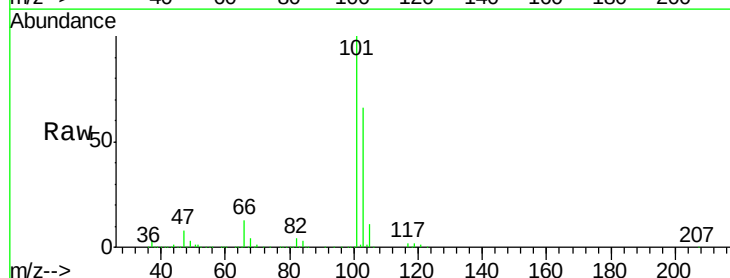
Acq: 06 Jan 2021 14:25

Tgt Ion: 101 Resp: 413465

Ion Ratio Lower Upper

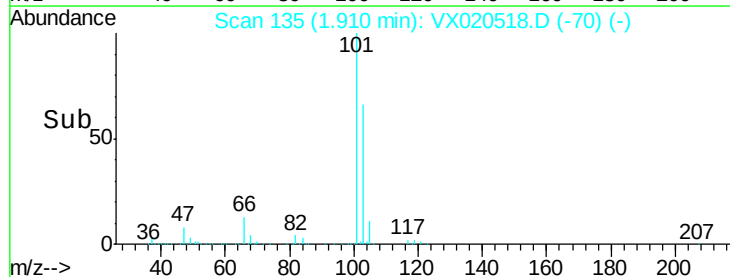
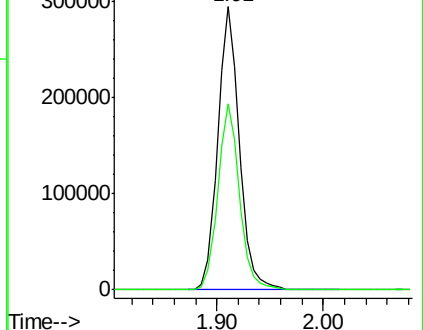
101 100

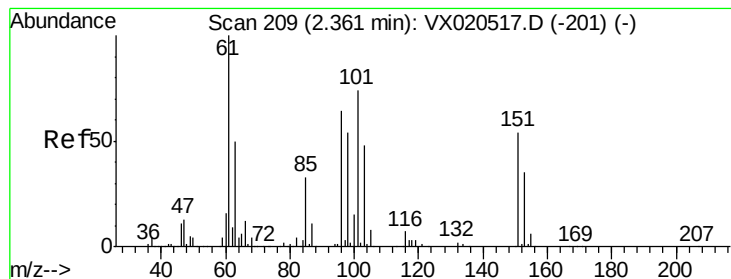
103 65.5 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 105.760 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

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ClientSampleId :

VSTD100406

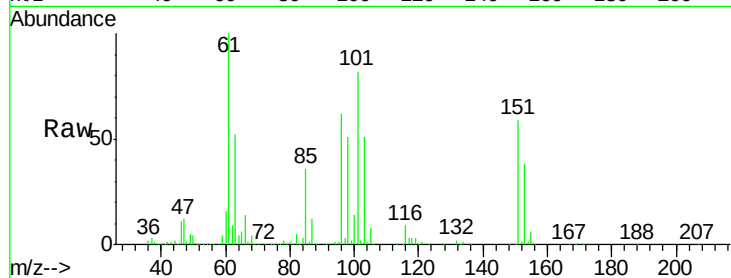
Tgt Ion: 101 Resp: 255214

Ion Ratio Lower Upper

101 100

85 43.1 34.3 51.5

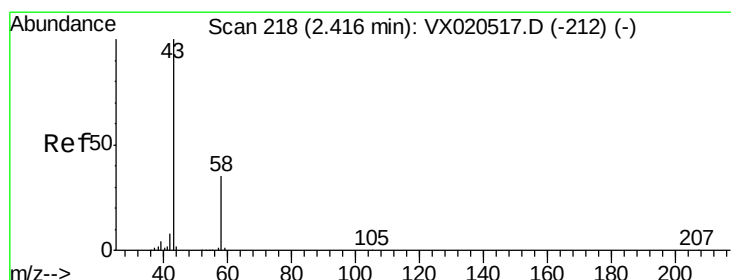
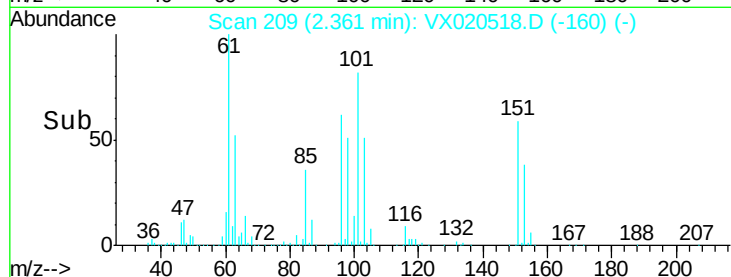
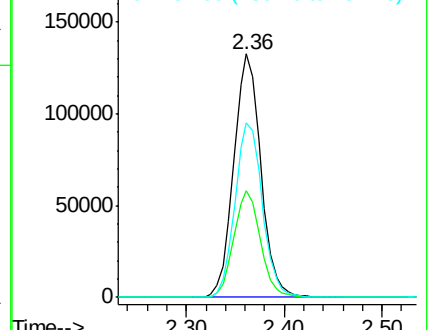
151 72.7 60.7 91.1



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



#13

Acetone

Concen: 223.454 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020518.D

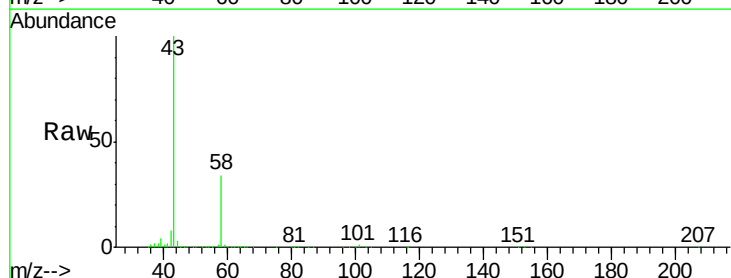
Acq: 06 Jan 2021 14:25

Tgt Ion: 43 Resp: 268150

Ion Ratio Lower Upper

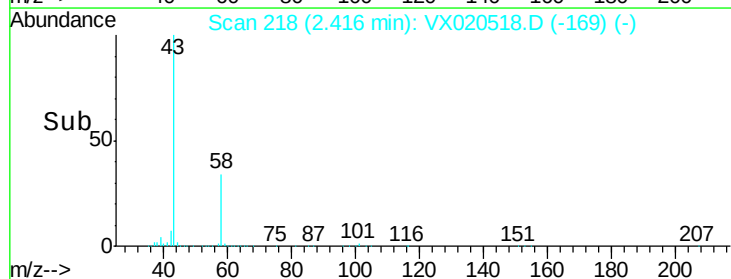
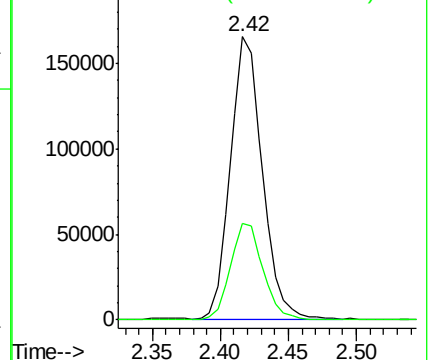
43 100

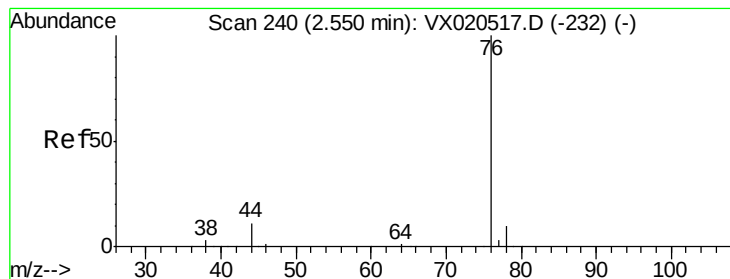
58 34.9 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#14

Carbon disulfide

Concen: 117.228 ug/L

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX020518.D

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ClientSampled :

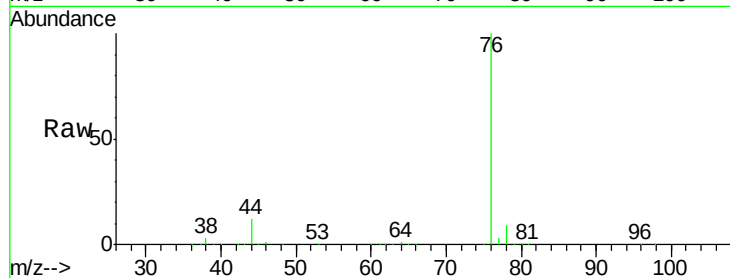
VSTD100406

Tgt Ion: 76 Resp: 815492

Ion Ratio Lower Upper

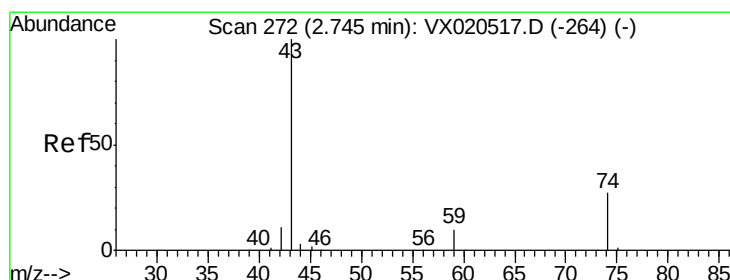
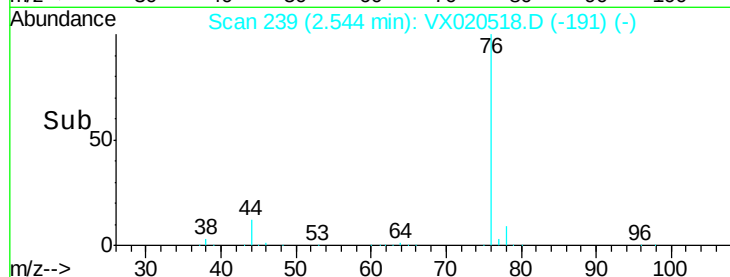
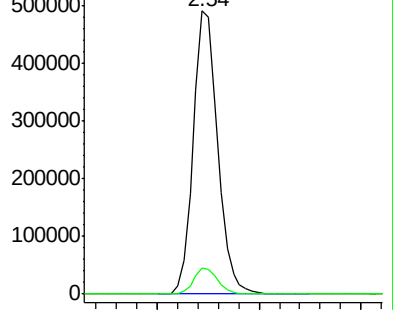
76 100

78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#15

Methyl Acetate

Concen: 113.856 ug/L

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX020518.D

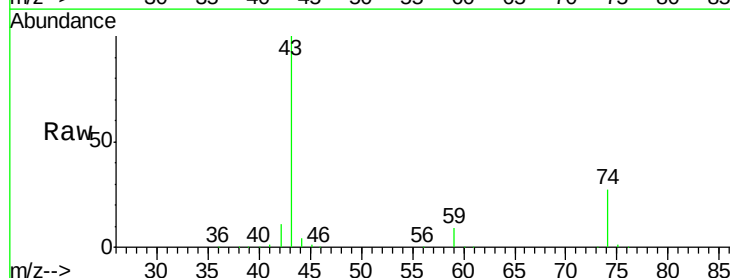
Acq: 06 Jan 2021 14:25

Tgt Ion: 43 Resp: 283817

Ion Ratio Lower Upper

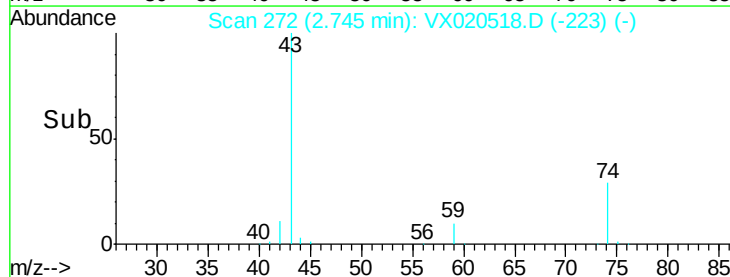
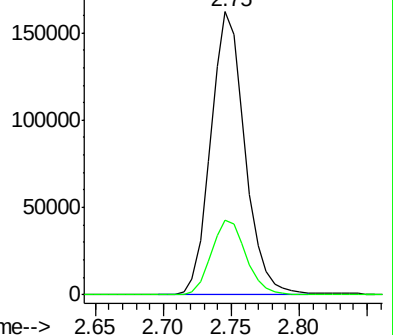
43 100

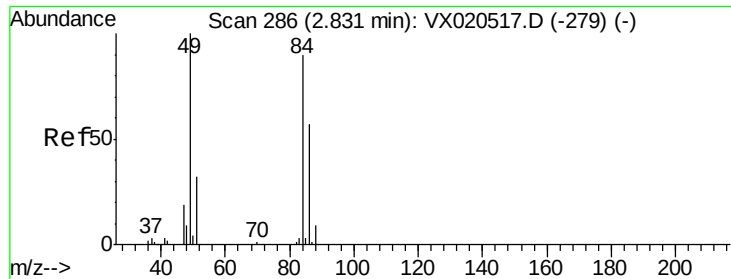
74 27.0 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

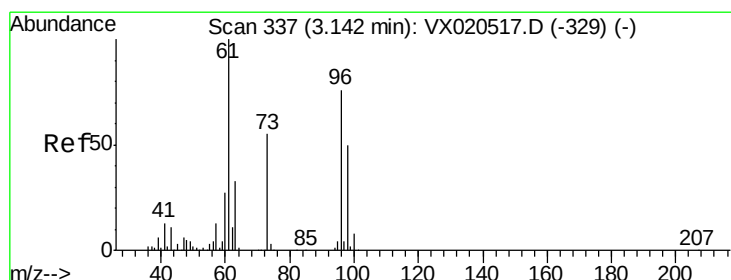
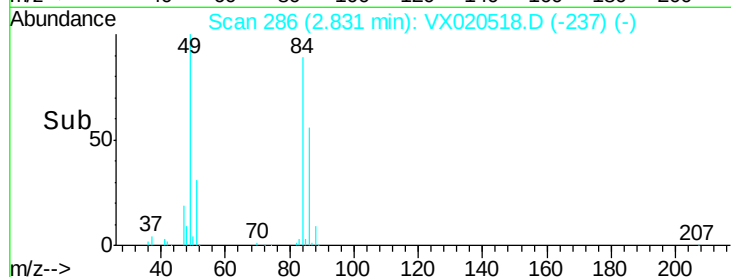
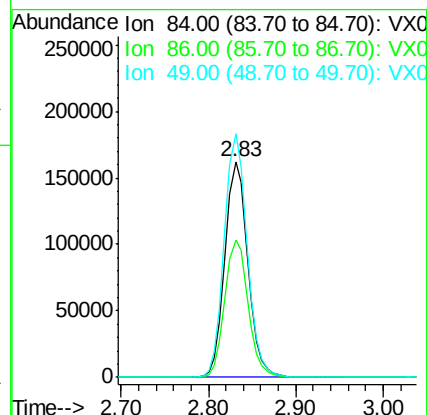
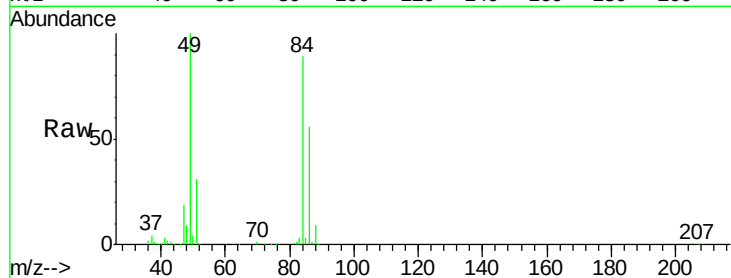




#16
Methylene chloride
Concen: 116.720 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020518.D
Acq: 06 Jan 2021 14:25

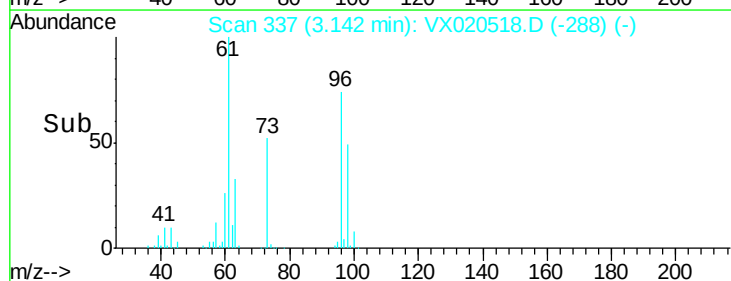
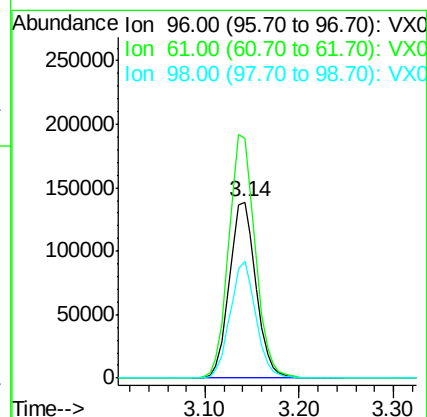
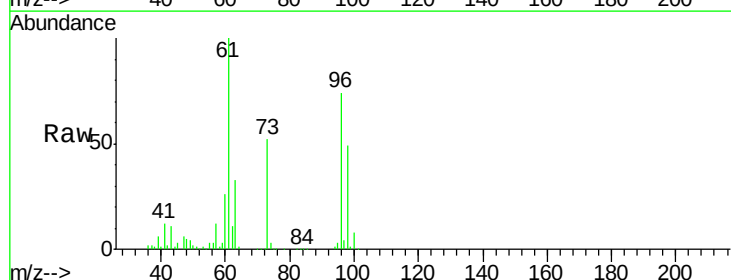
Instrument :
MSVOA_X
ClientSampleId :
VSTD100406

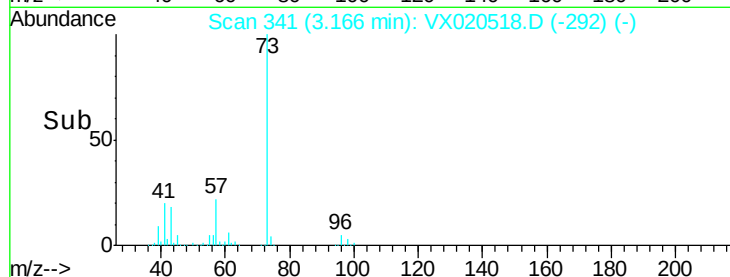
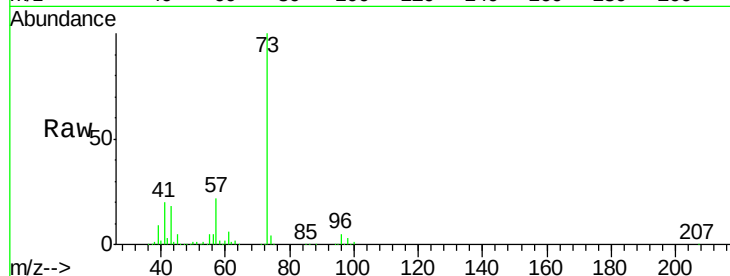
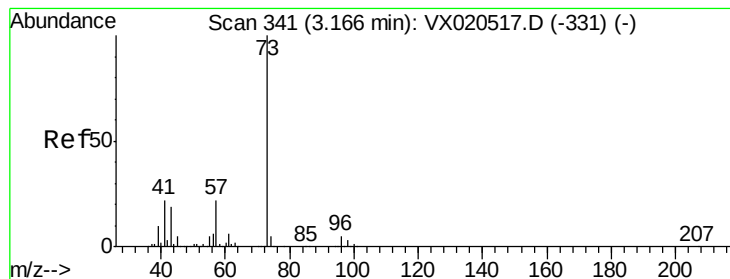
Tgt Ion: 84 Resp: 295668
Ion Ratio Lower Upper
84 100
86 63.5 44.2 82.0
49 112.7 77.8 144.6



#17
trans-1,2-Dichloroethene
Concen: 113.487 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX020518.D
Acq: 06 Jan 2021 14:25

Tgt Ion: 96 Resp: 272402
Ion Ratio Lower Upper
96 100
61 135.7 92.3 171.3
98 66.5 46.3 85.9



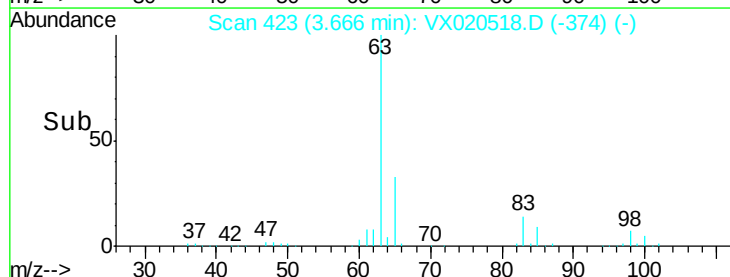
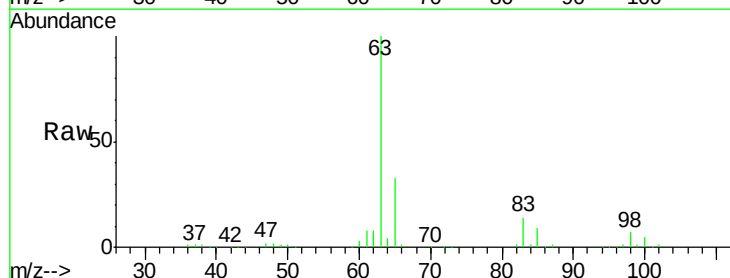
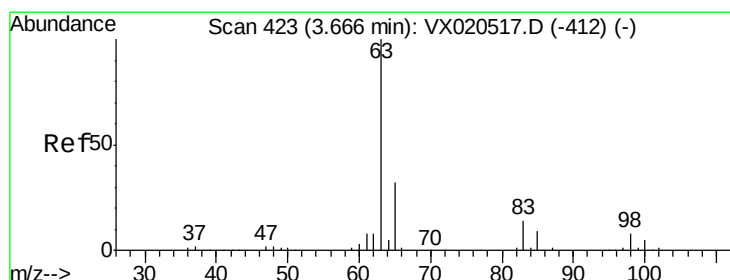
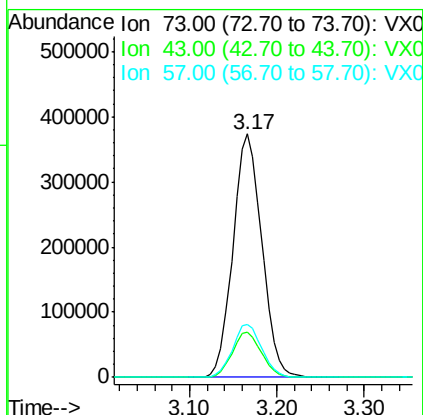


#18

Methyl tert-butyl Ether
Concen: 112.844 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX020518.D
Acq: 06 Jan 2021 14:25

Instrument :
MSVOA_X
ClientSampleId :
VSTD100406

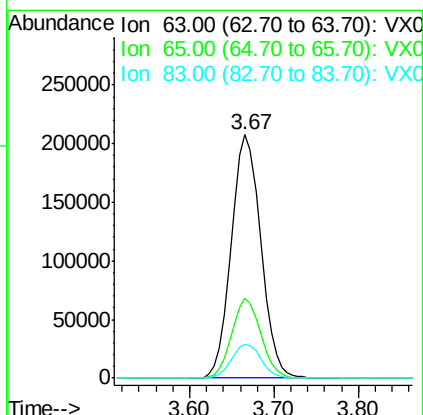
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.1	22.7
57	21.9	17.4	26.2

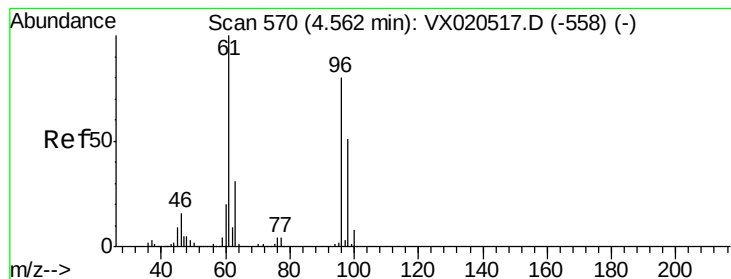


#19

1,1-Dichloroethane
Concen: 111.557 ug/L
RT: 3.67 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX020518.D
Acq: 06 Jan 2021 14:25

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.4	41.6
83	13.6	9.5	17.7



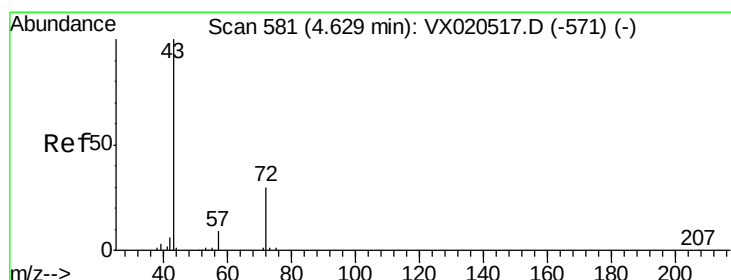
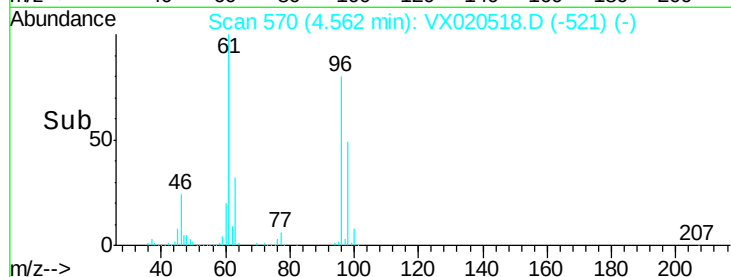
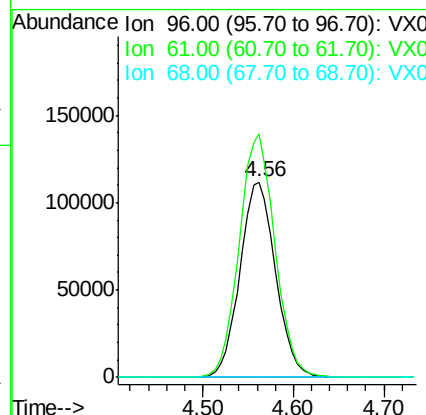
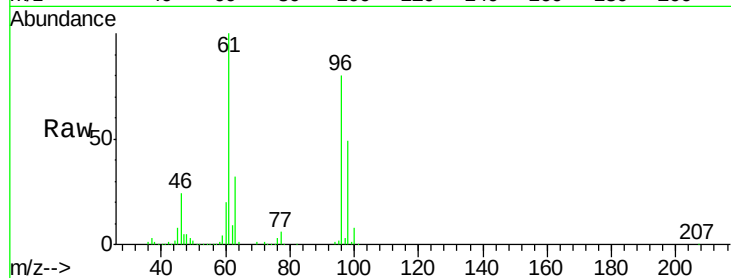


#20

cis-1,2-Dichloroethene
 Concen: 115.509 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100406

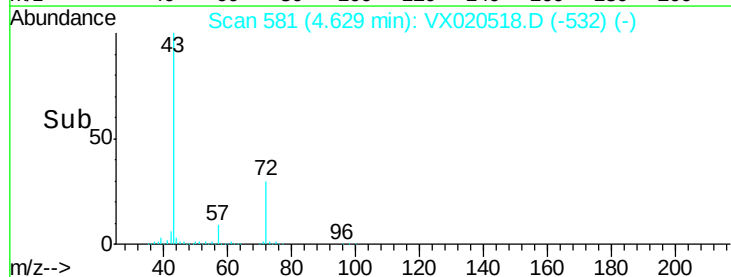
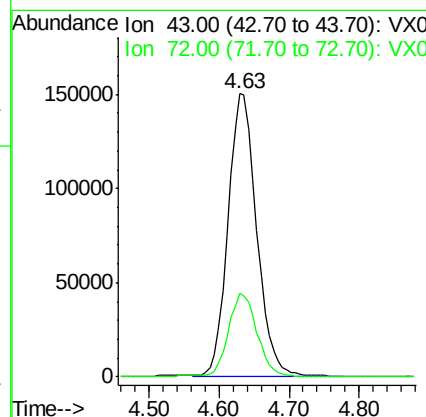
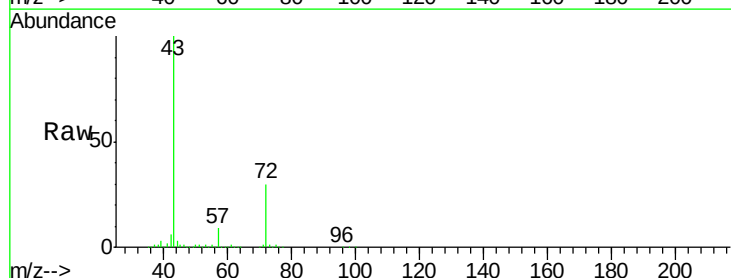
Tgt Ion: 96 Resp: 304848
 Ion Ratio Lower Upper
 96 100
 61 124.5 87.8 163.0
 68 0.0 0.0 0.0

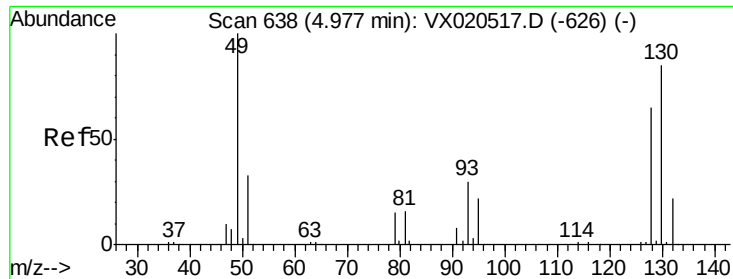


#22

2-Butanone
 Concen: 237.290 ug/L
 RT: 4.63 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Tgt Ion: 43 Resp: 427413
 Ion Ratio Lower Upper
 43 100
 72 29.6 15.3 45.8





#23

Bromochloromethane

Concen: 107.736 ug/L

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD100406

Tgt Ion:128 Resp: 153067

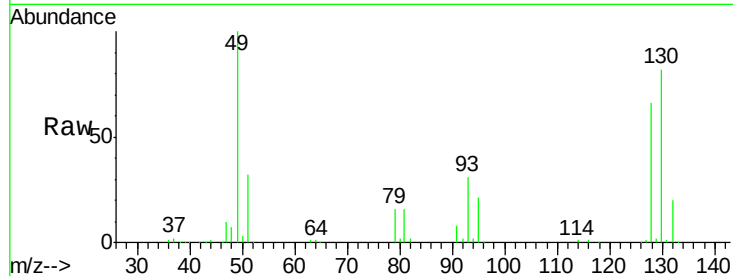
Ion Ratio Lower Upper

128 100

49 151.3 107.5 199.7

130 124.7 91.1 169.3

51 47.7 40.3 60.5

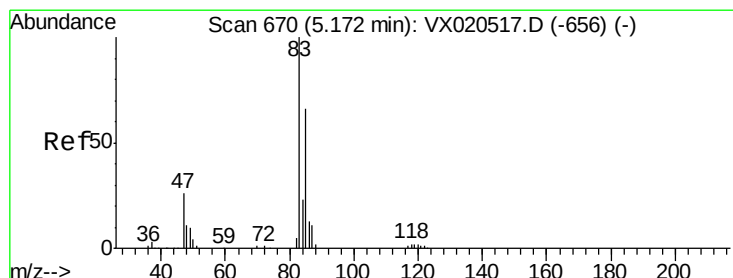
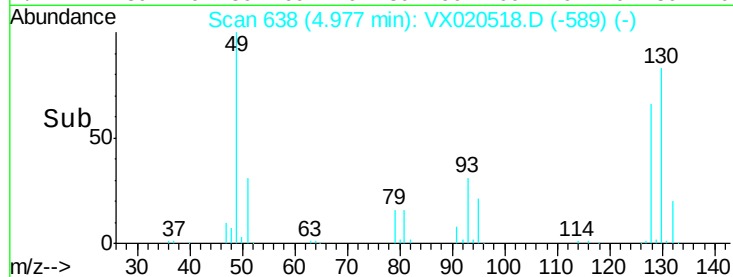
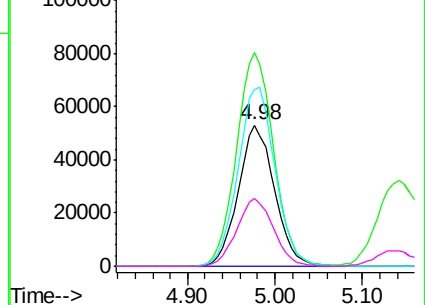


Abundance Ion 128.00 (127.70 to 128.70): V

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: 106.905 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX020518.D

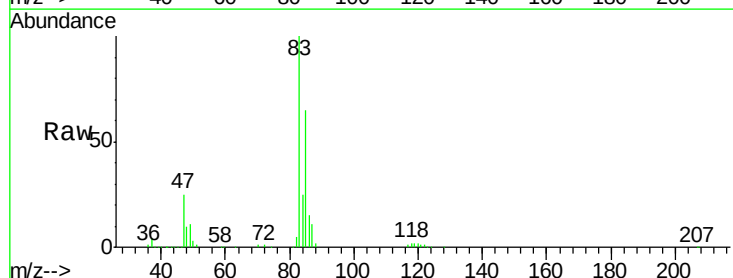
Acq: 06 Jan 2021 14:25

Tgt Ion: 83 Resp: 527670

Ion Ratio Lower Upper

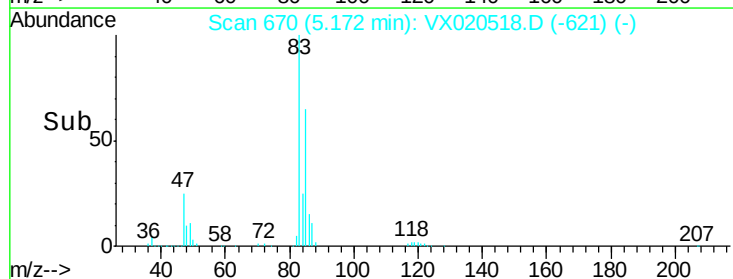
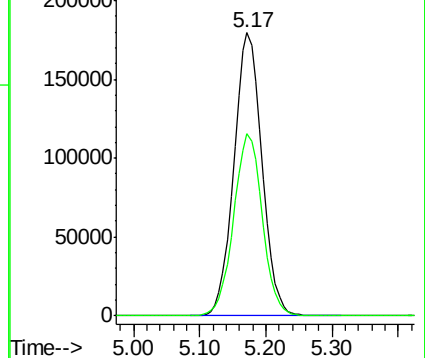
83 100

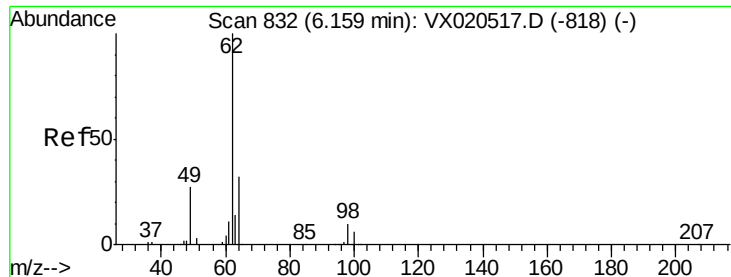
85 64.6 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane

Concen: 102.644 ug/L

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

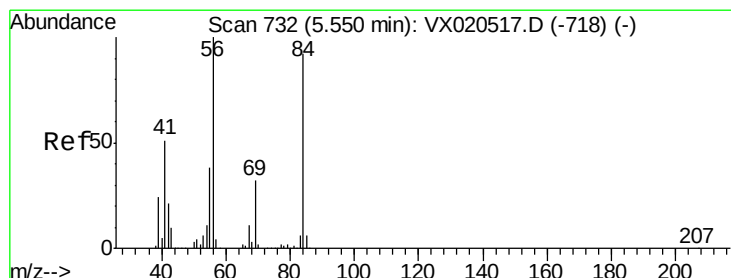
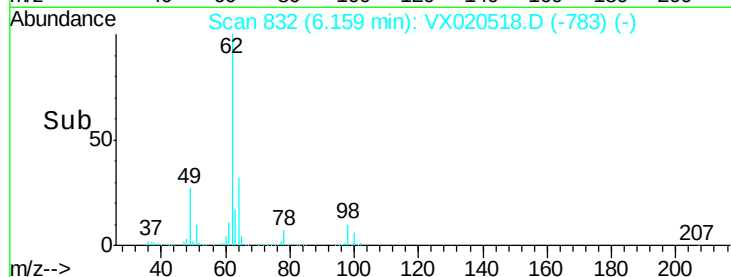
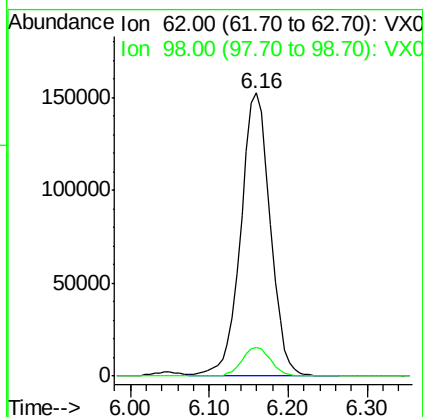
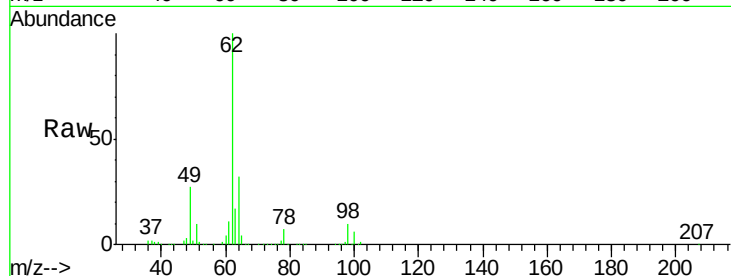
VSTD100406

Tgt Ion: 62 Resp: 396909

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9



#29

Cyclohexane

Concen: 118.010 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

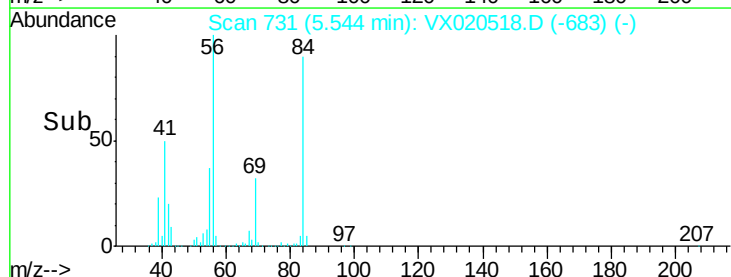
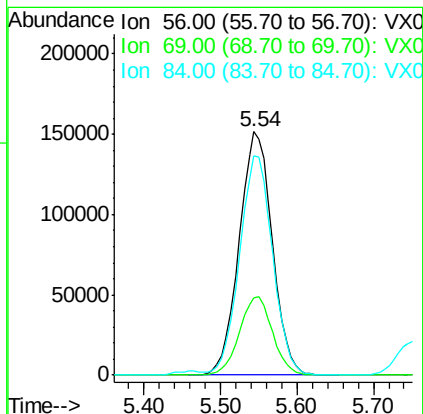
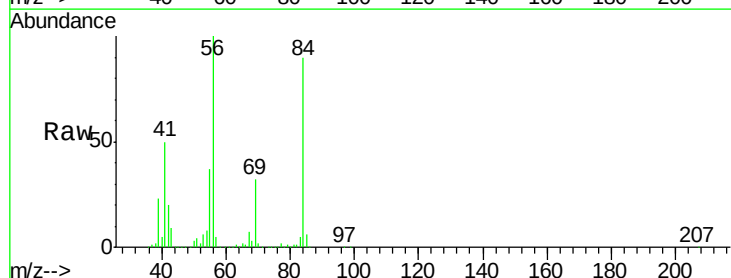
Tgt Ion: 56 Resp: 455775

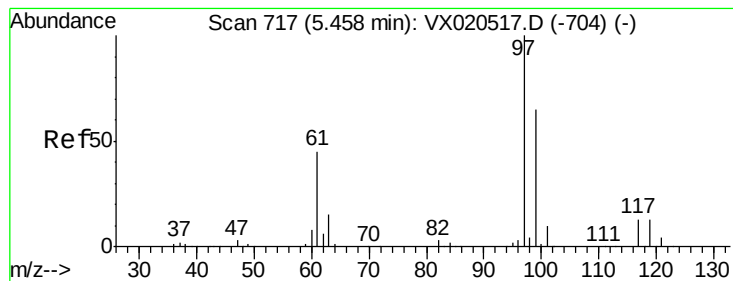
Ion Ratio Lower Upper

56 100

69 32.0 25.7 38.5

84 90.1 72.4 108.6





#30

1,1,1-Trichloroethane

Concen: 98.843 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD100406

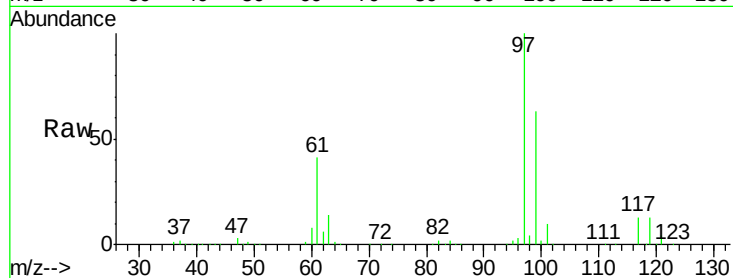
Tgt Ion: 97 Resp: 451778

Ion Ratio Lower Upper

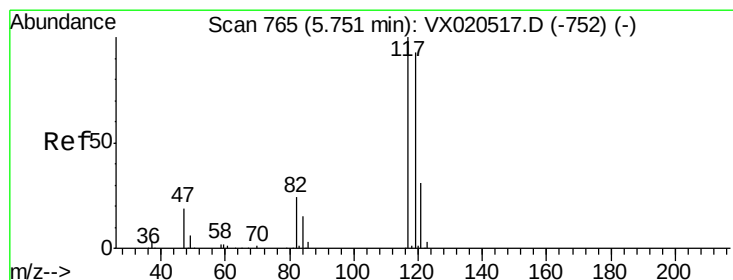
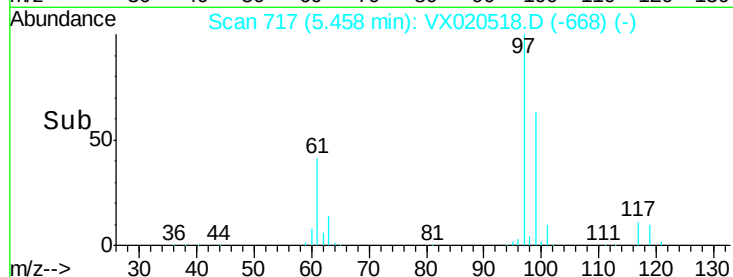
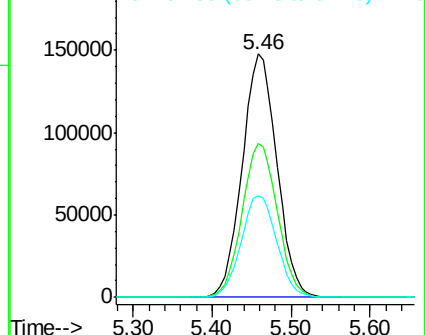
97 100

99 64.1 52.1 78.1

61 43.1 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 99.00 (98.70 to 99.70): VX0
Ion 61.05 (60.75 to 61.75): VX0



#31

Carbon tetrachloride

Concen: 94.992 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX020518.D

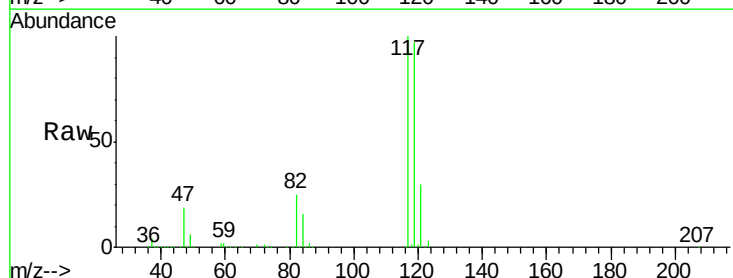
Acq: 06 Jan 2021 14:25

Tgt Ion: 117 Resp: 386829

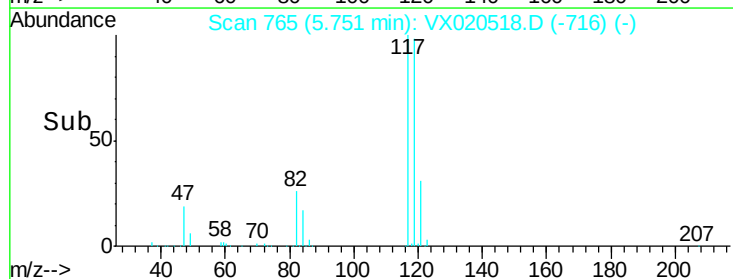
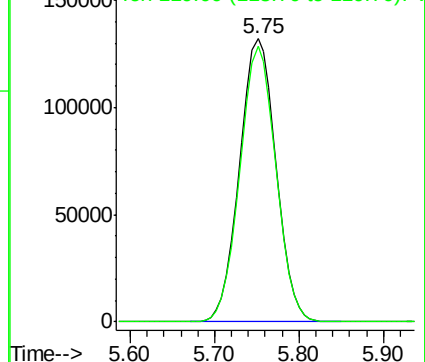
Ion Ratio Lower Upper

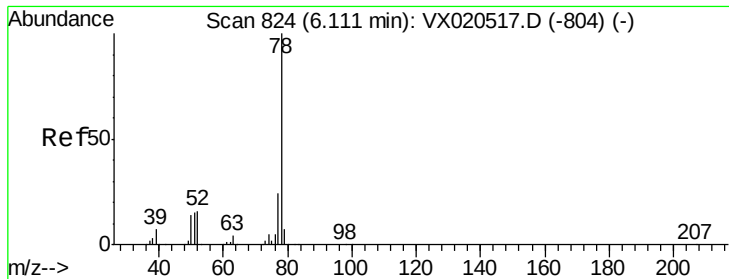
117 100

119 96.2 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: 116.522 ug/L

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

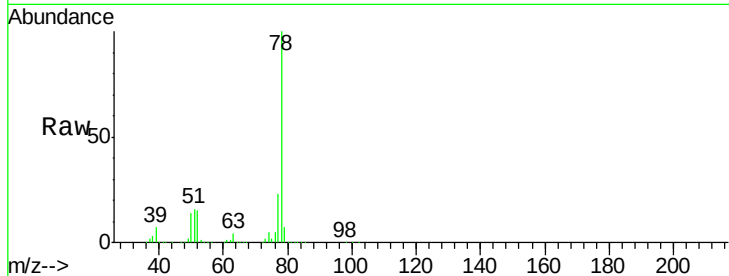
Instrument :

MSVOA_X

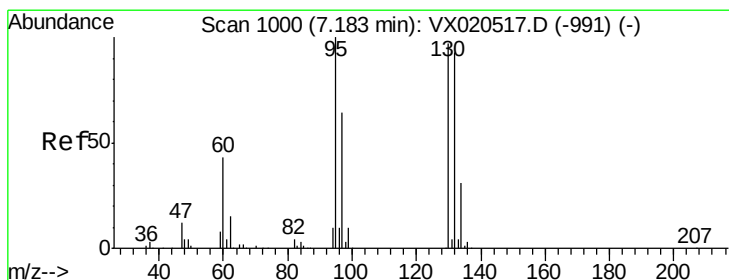
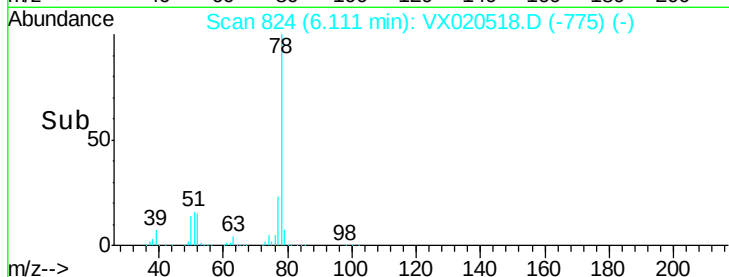
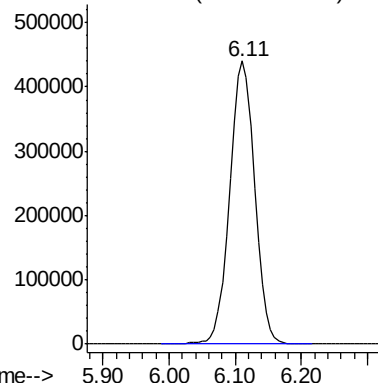
ClientSampleId :

VSTD100406

Tgt Ion: 78 Resp: 1161667



Abundance Ion 78.00 (77.70 to 78.70): VX0



#34

Trichloroethene

Concen: 107.747 ug/L

RT: 7.18 min Scan# 1000

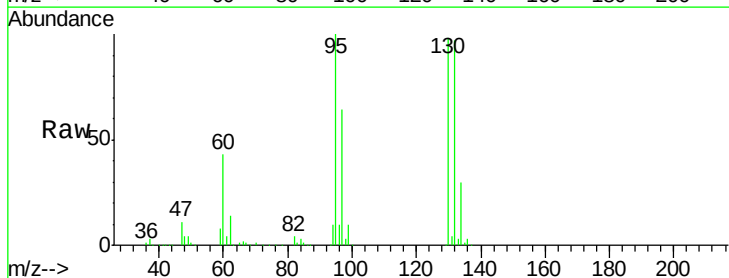
Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Tgt Ion: 95 Resp: 293627

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.5	82.7
132	96.9	65.2	121.0
130	98.2	67.7	125.7

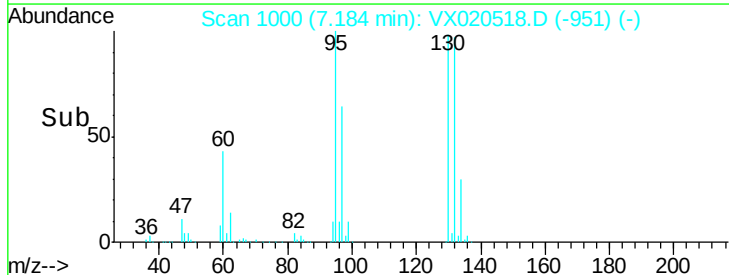
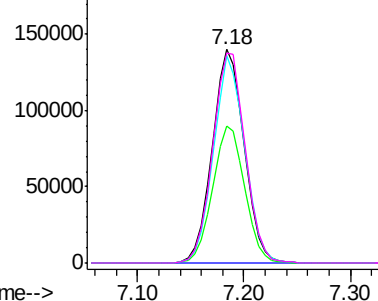


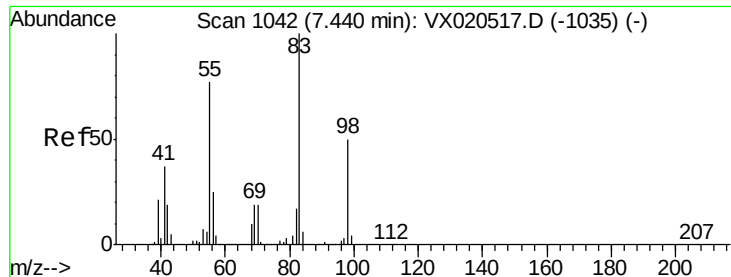
Abundance Ion 95.00 (94.70 to 95.70): VX0

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

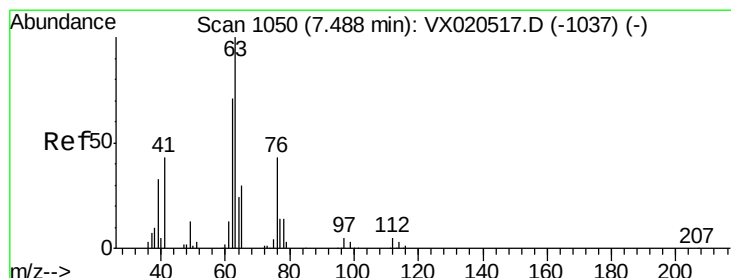
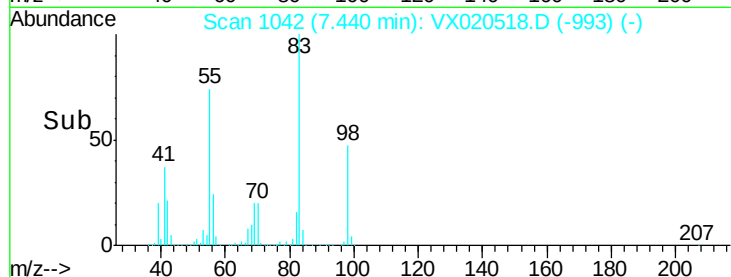
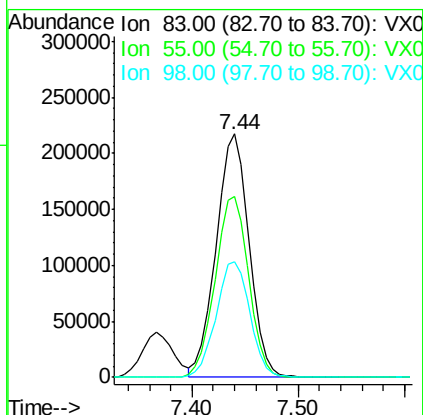
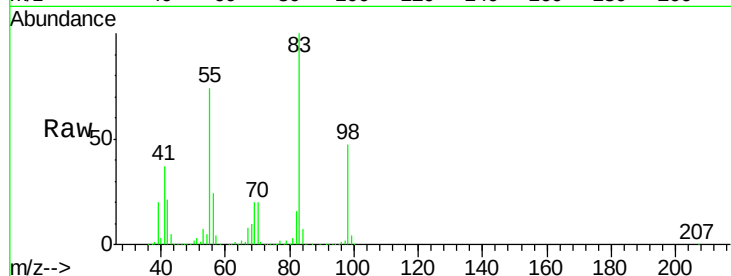




#35
Methylcyclohexane
Concen: 117.231 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX020518.D
Acq: 06 Jan 2021 14:25

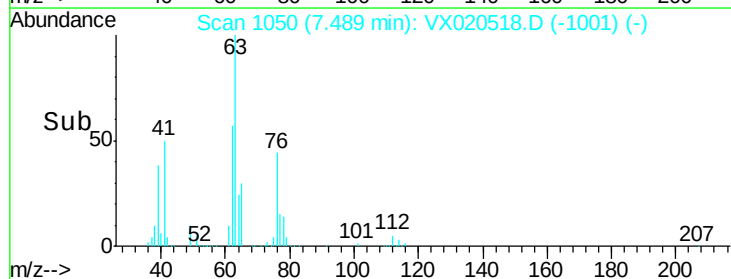
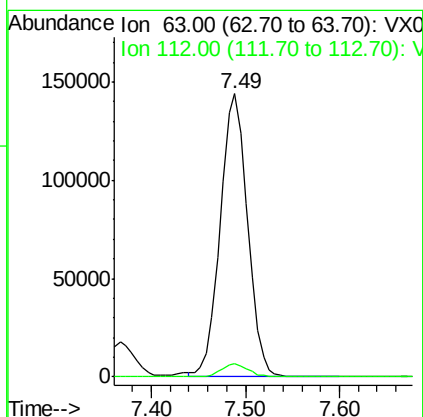
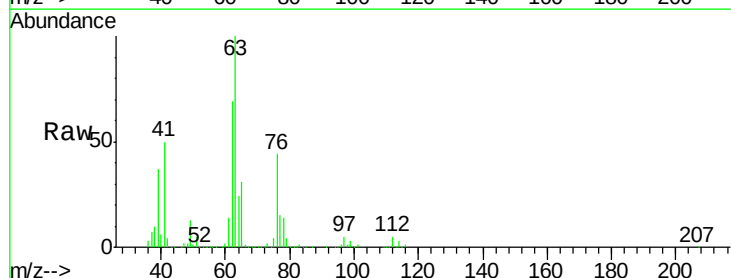
Instrument :
MSVOA_X
ClientSampleId :
VSTD100406

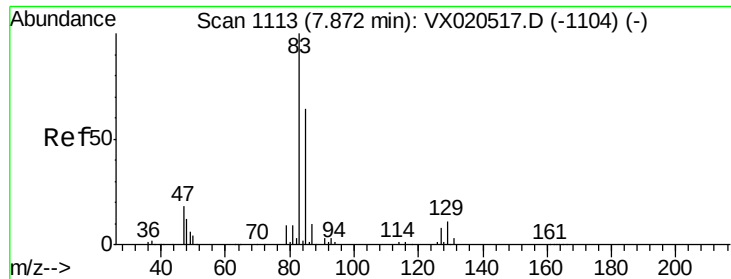
Tgt Ion: 83 Resp: 468709
Ion Ratio Lower Upper
83 100
55 75.3 61.2 91.8
98 48.6 38.7 58.1



#37
1,2-Dichloropropane
Concen: 110.455 ug/L
RT: 7.49 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VX020518.D
Acq: 06 Jan 2021 14:25

Tgt Ion: 63 Resp: 288966
Ion Ratio Lower Upper
63 100
112 4.6 3.6 5.4

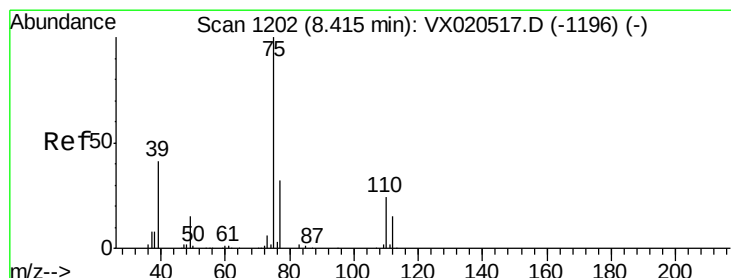
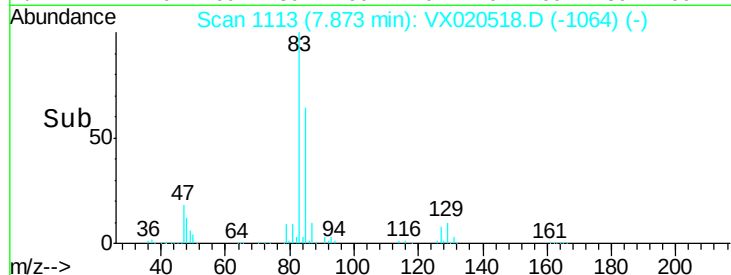
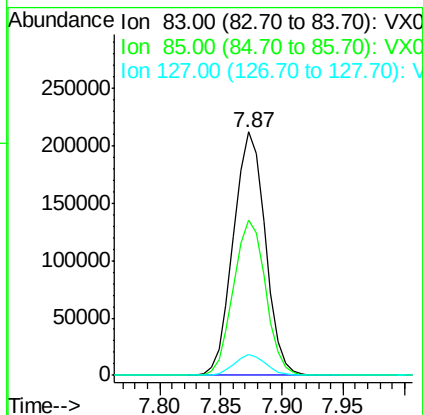
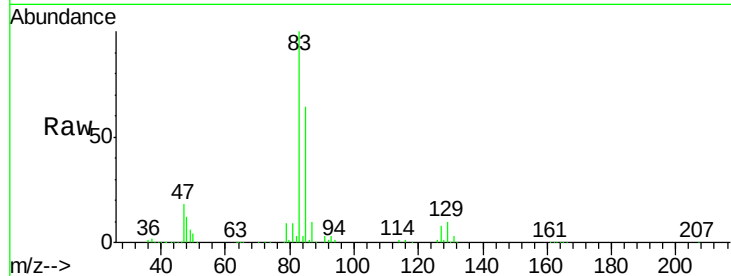




#38
 Bromodichloromethane
 Concen: 105.011 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

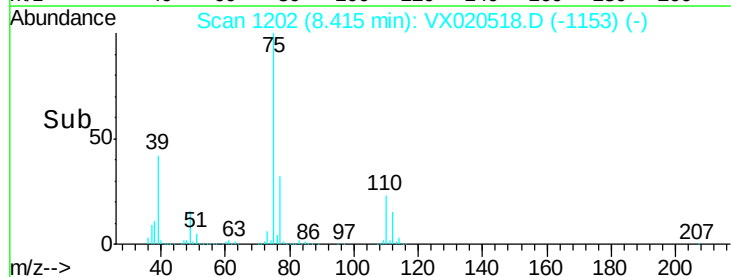
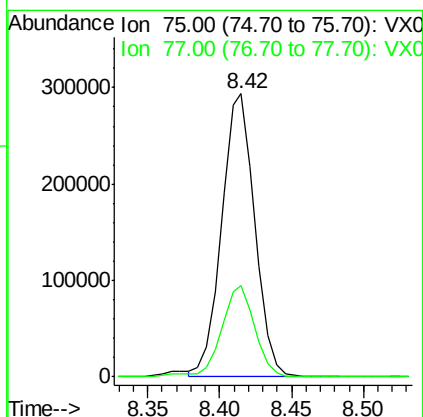
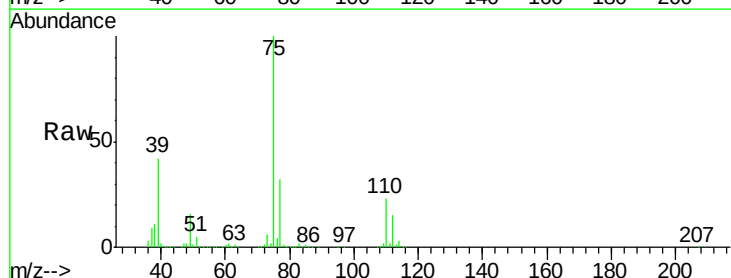
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100406

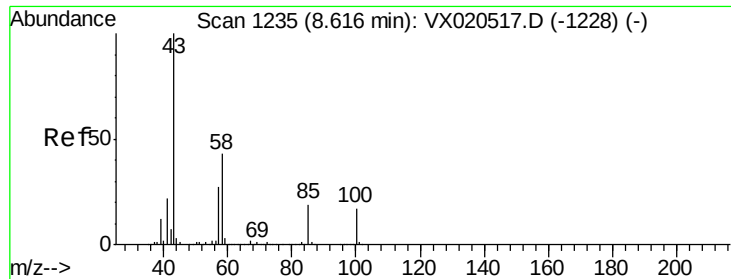
Tgt Ion: 83 Resp: 384349
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.1 83.7
 127 8.3 6.6 10.0



#39
 cis-1,3-Dichloropropene
 Concen: 113.750 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Tgt Ion: 75 Resp: 473475
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.3

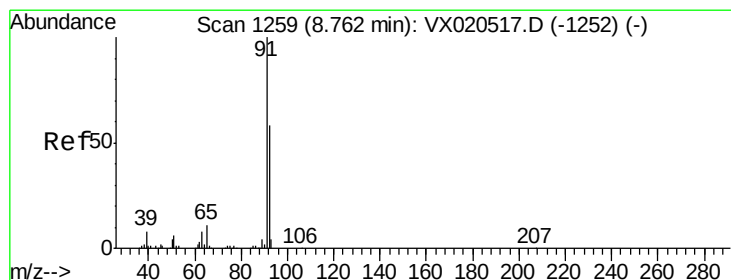
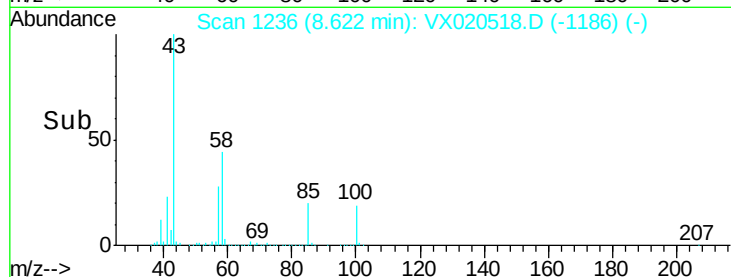
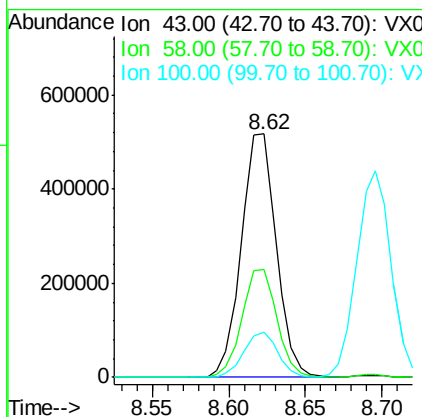
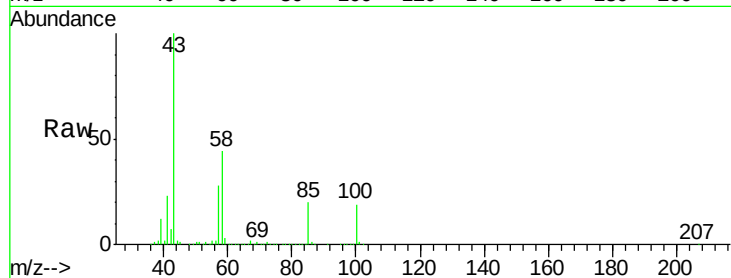




#40
 4-Methyl-2-pentanone
 Concen: 238.407 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

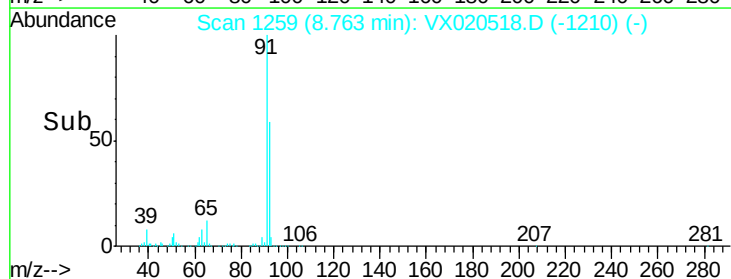
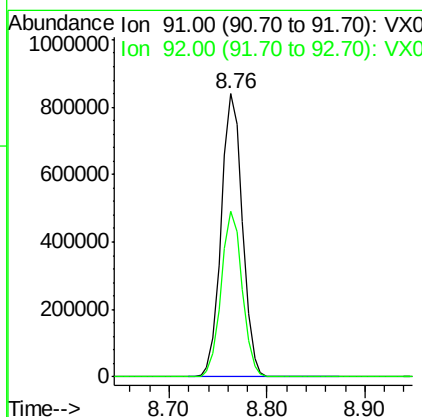
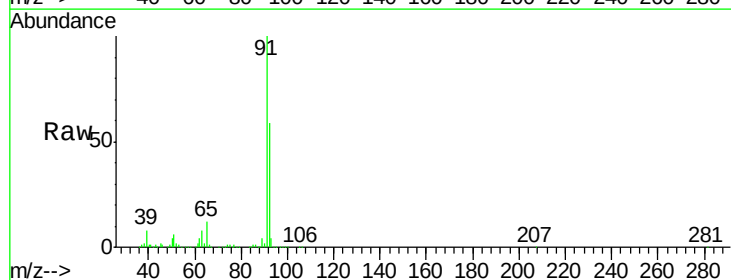
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100406

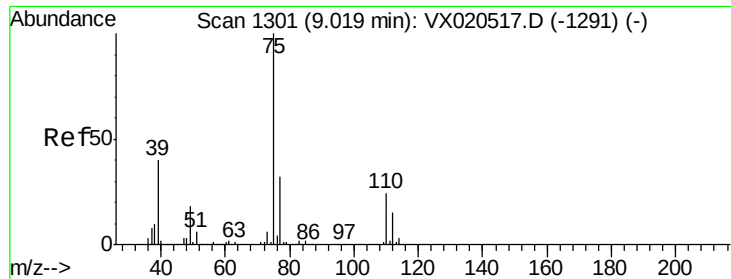
Tgt Ion: 43 Resp: 826450
 Ion Ratio Lower Upper
 43 100
 58 43.9 35.0 52.4
 100 18.1 14.2 21.4



#42
 Toluene
 Concen: 118.152 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Tgt Ion: 91 Resp: 1263337
 Ion Ratio Lower Upper
 91 100
 92 58.7 40.5 75.1





#44

trans-1,3-Dichloropropene

Concen: 110.561 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

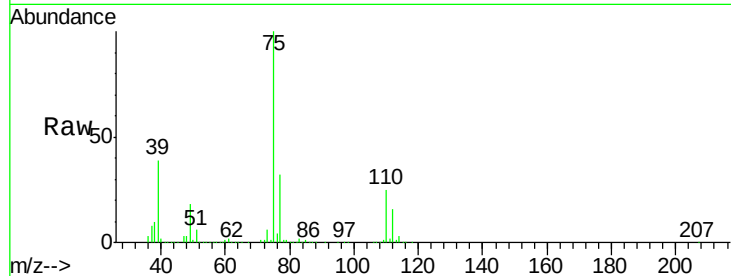
VSTD100406

Tgt Ion: 75 Resp: 465872

Ion Ratio Lower Upper

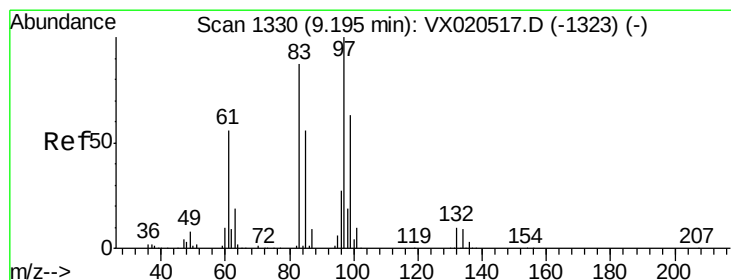
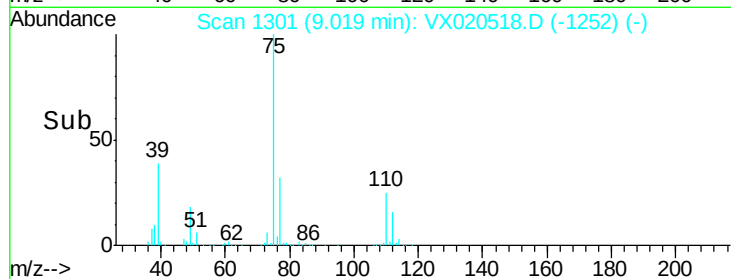
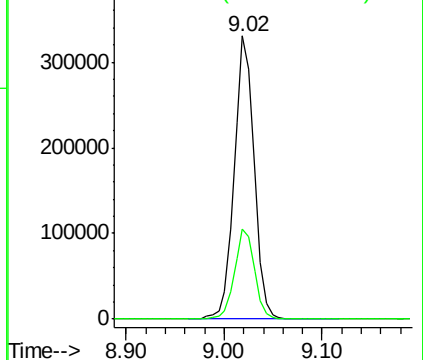
75 100

77 31.8 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: 116.831 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Tgt Ion: 97 Resp: 293390

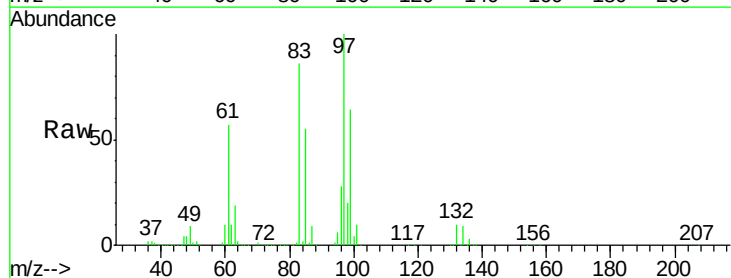
Ion Ratio Lower Upper

97 100

99 63.9 44.0 81.6

83 85.6 60.8 113.0

85 54.9 39.4 73.2

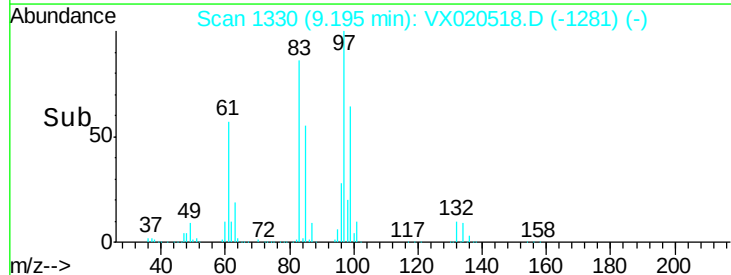
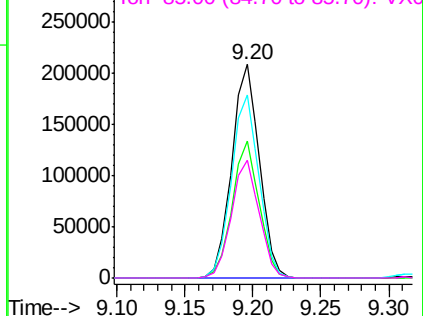


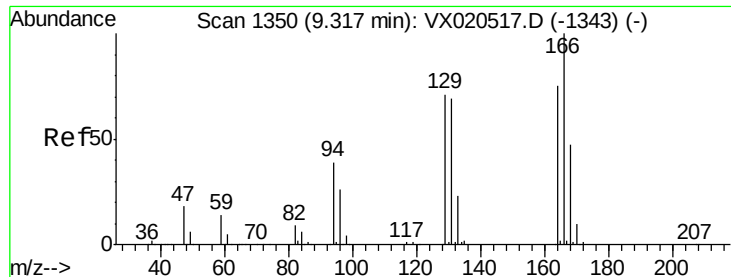
Abundance Ion 97.00 (96.70 to 97.70): VX0

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

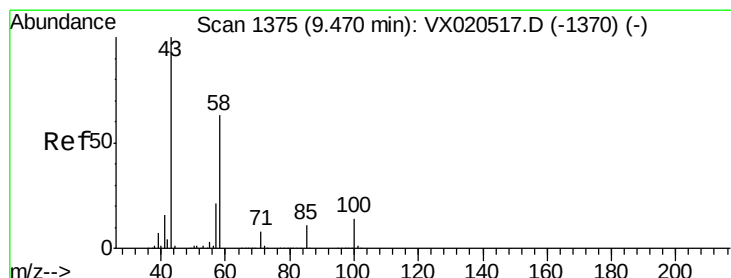
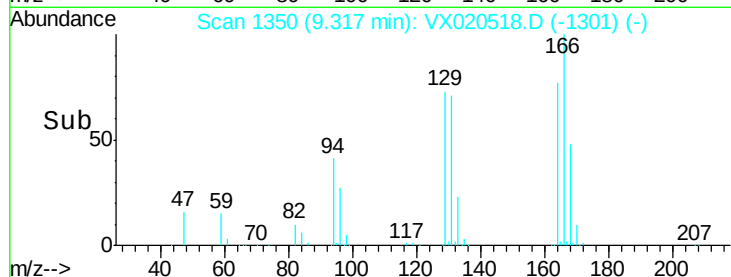
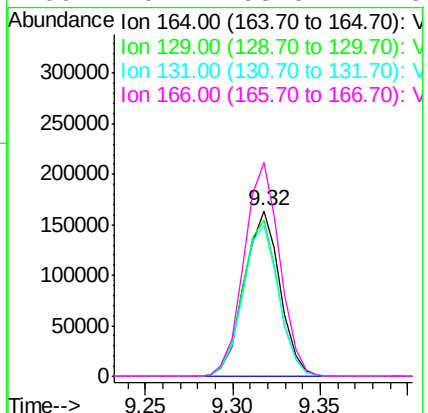
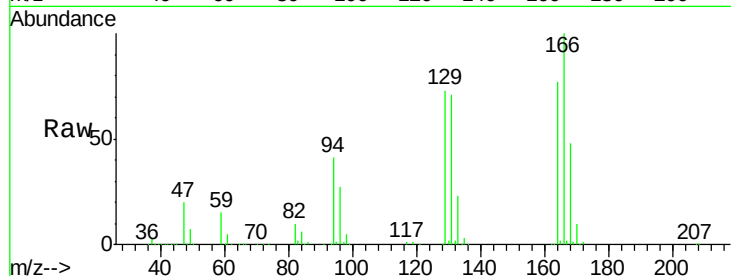




#46
Tetrachloroethene
Concen: 105.404 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX020518.D
Acq: 06 Jan 2021 14:25

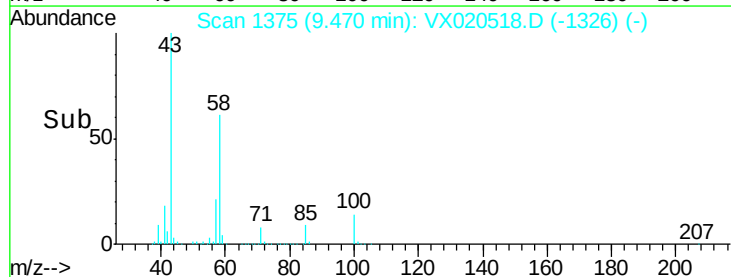
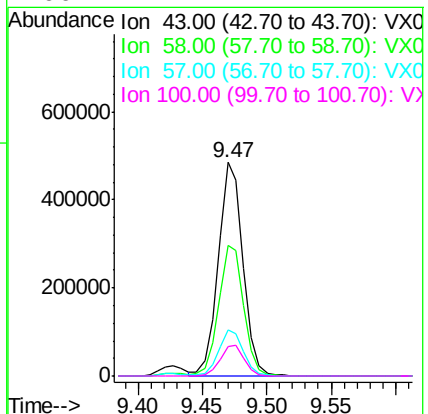
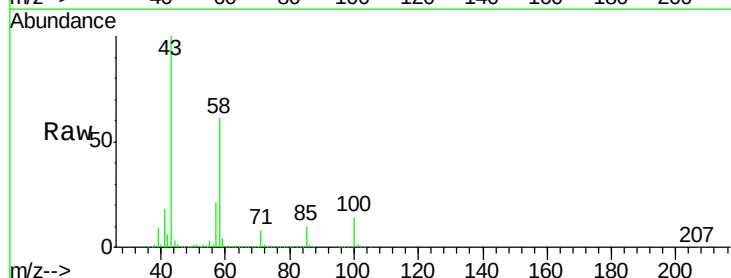
Instrument :
MSVOA_X
ClientSampleId :
VSTD100406

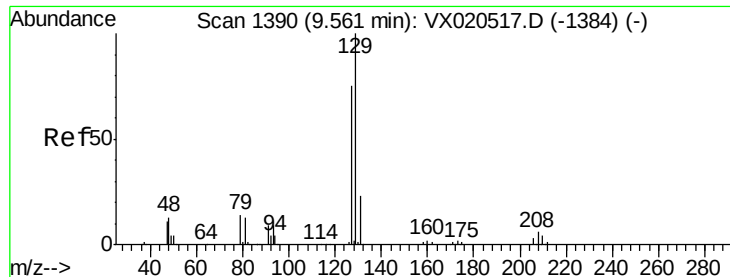
Tgt Ion:164 Resp: 232540
Ion Ratio Lower Upper
164 100
129 94.3 65.6 121.8
131 91.3 63.7 118.3
166 129.1 93.0 172.6



#48
2-Hexanone
Concen: 240.612 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020518.D
Acq: 06 Jan 2021 14:25

Tgt Ion: 43 Resp: 653166
Ion Ratio Lower Upper
43 100
58 62.4 50.1 75.1
57 21.3 17.3 25.9
100 14.4 11.4 17.2





#49

Dibromochloromethane

Concen: 103.942 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

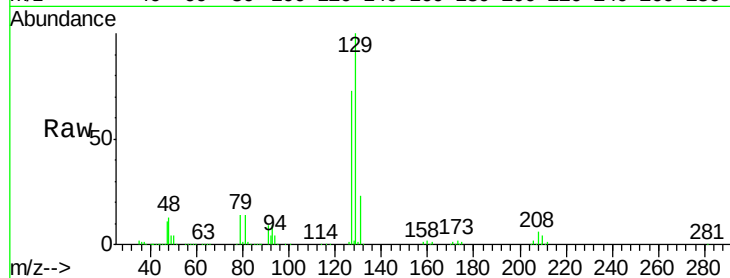
VSTD100406

Tgt Ion:129 Resp: 317291

Ion Ratio Lower Upper

129 100

127 73.4 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.56

250000

200000

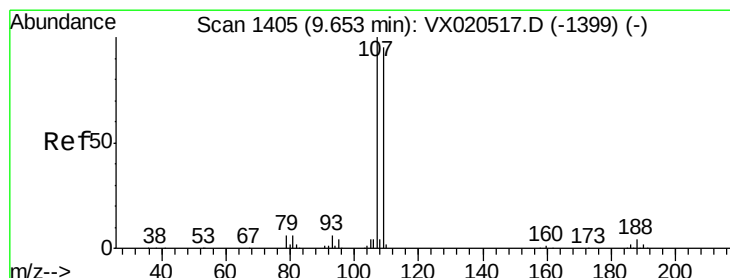
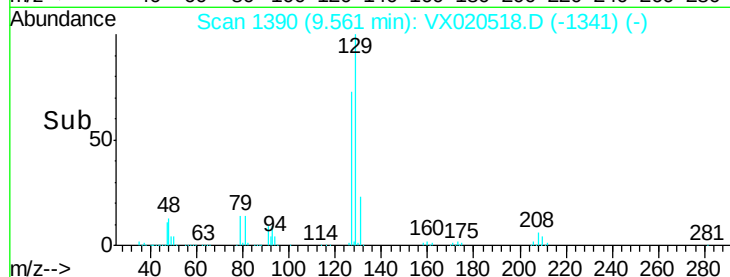
150000

100000

50000

0

Time-->



#50

1,2-Dibromoethane

Concen: 112.833 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

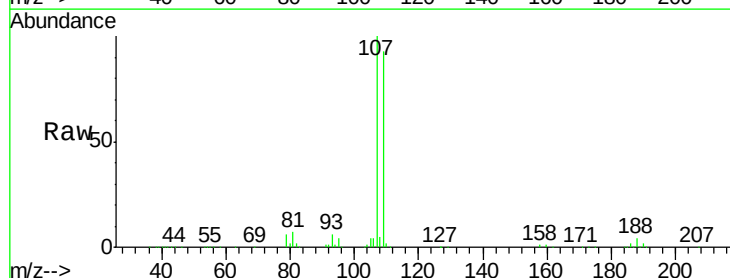
Tgt Ion:107 Resp: 309346

Ion Ratio Lower Upper

107 100

109 92.7 66.4 123.4

188 3.9 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

9.65

300000

250000

200000

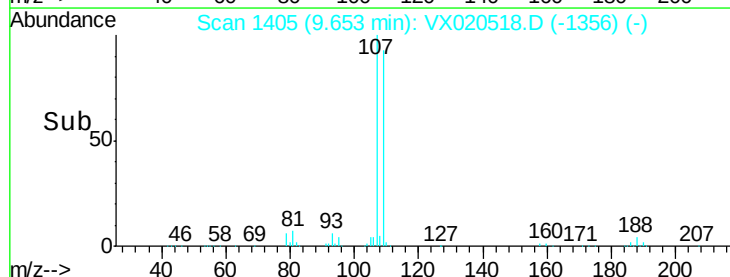
150000

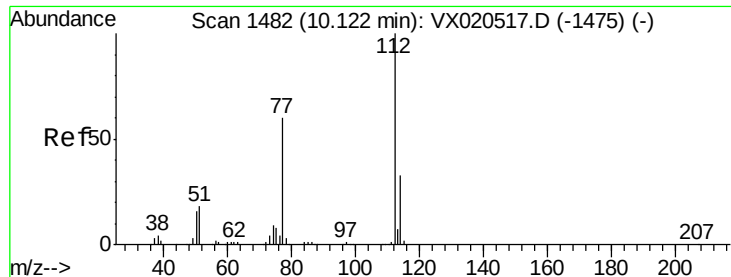
100000

50000

0

Time-->





#51

Chlorobenzene

Concen: 111.402 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD100406

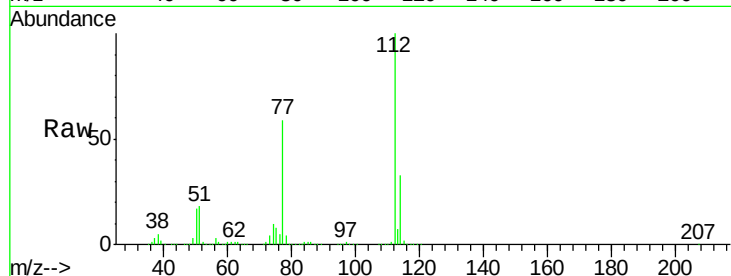
Tgt Ion: 112 Resp: 785114

Ion Ratio Lower Upper

112 100

114 32.9 23.2 43.2

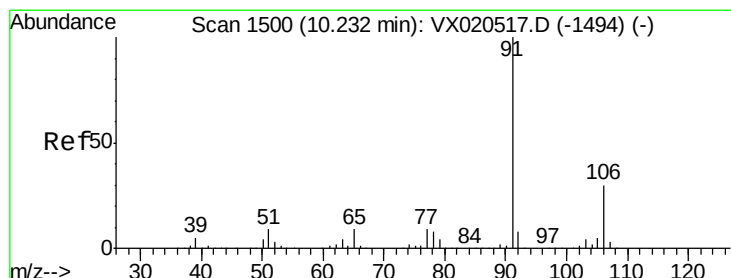
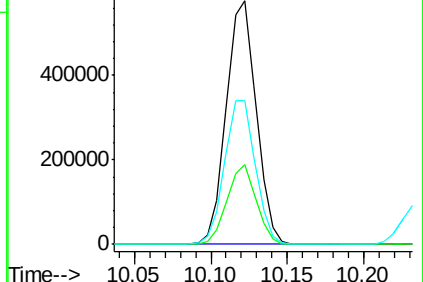
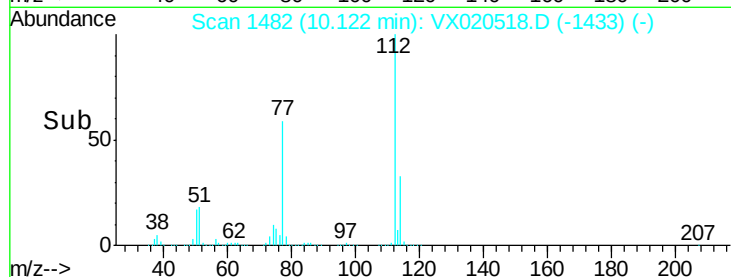
77 59.3 48.4 72.6



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: 117.415 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020518.D

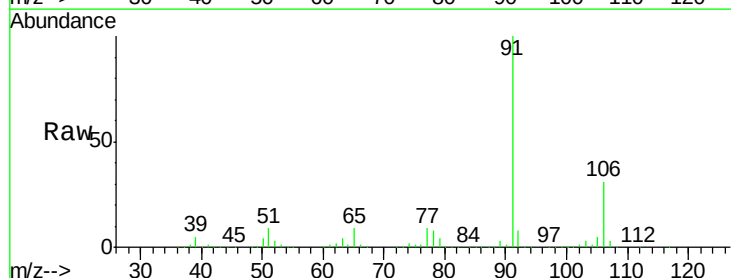
Acq: 06 Jan 2021 14:25

Tgt Ion: 91 Resp: 1389928

Ion Ratio Lower Upper

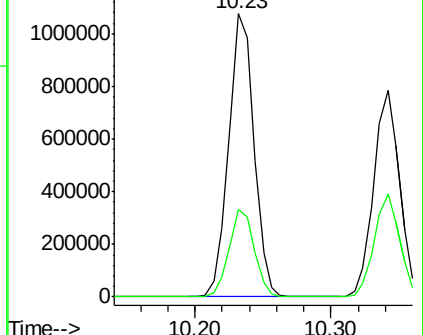
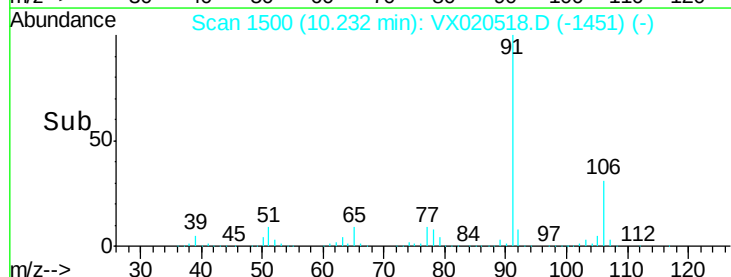
91 100

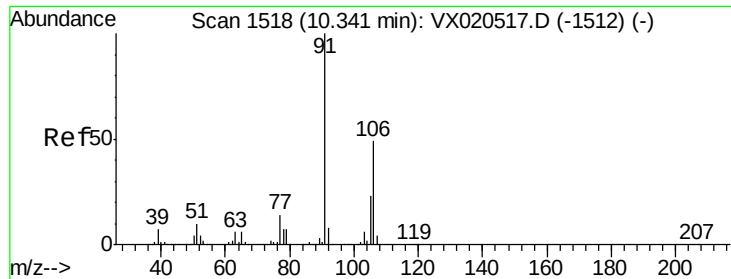
106 30.8 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 113.800 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampled :

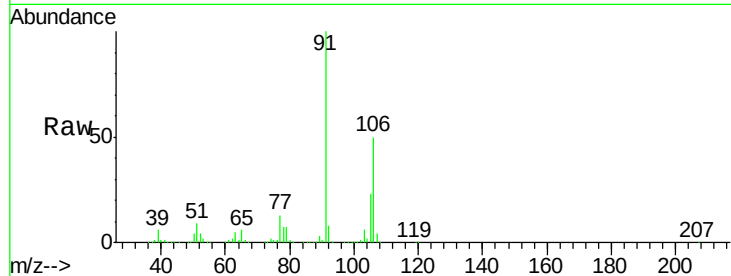
VSTD100406

Tgt Ion:106 Resp: 508601

Ion Ratio Lower Upper

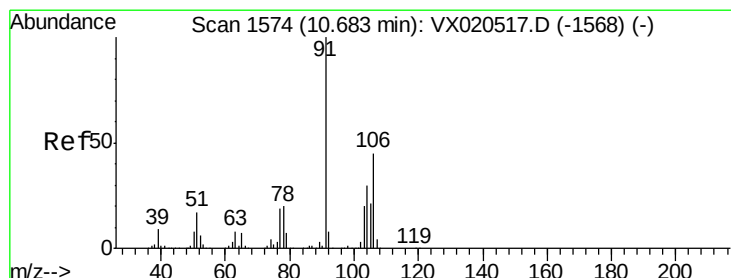
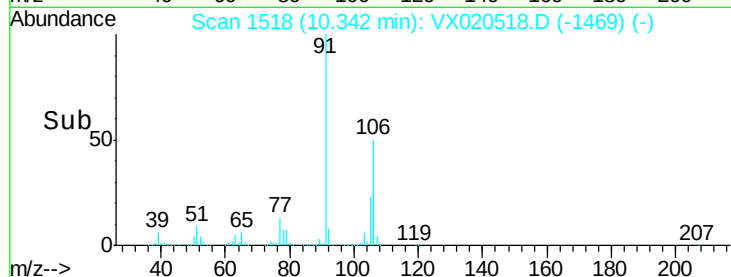
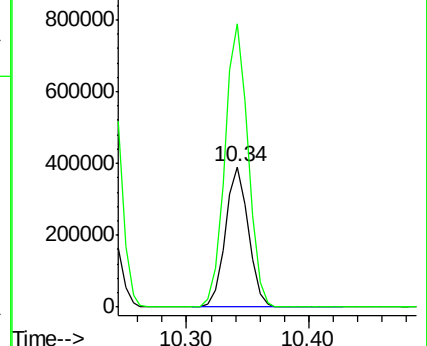
106 100

91 201.3 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#54

o-Xylene

Concen: 116.483 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX020518.D

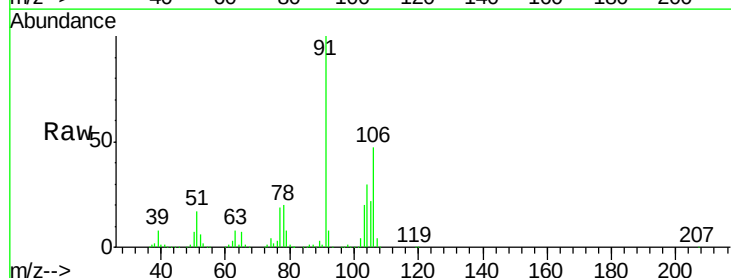
Acq: 06 Jan 2021 14:25

Tgt Ion:106 Resp: 499395

Ion Ratio Lower Upper

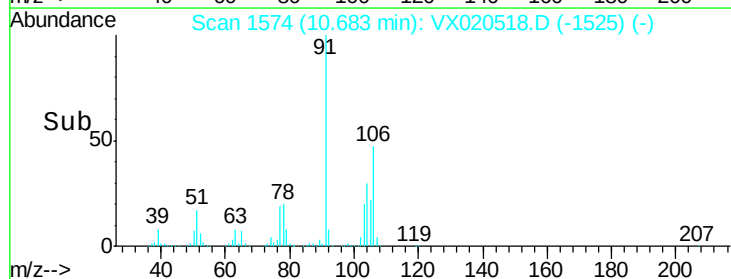
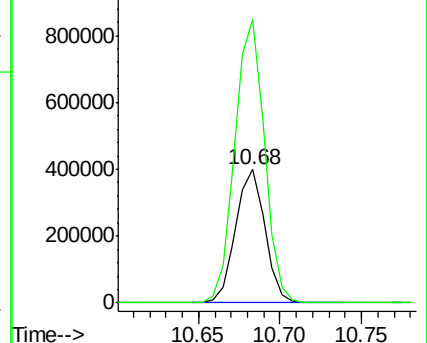
106 100

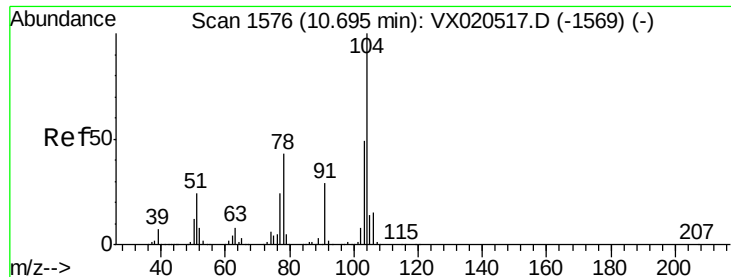
91 212.7 156.2 290.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#55

Styrene

Concen: 116.514 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

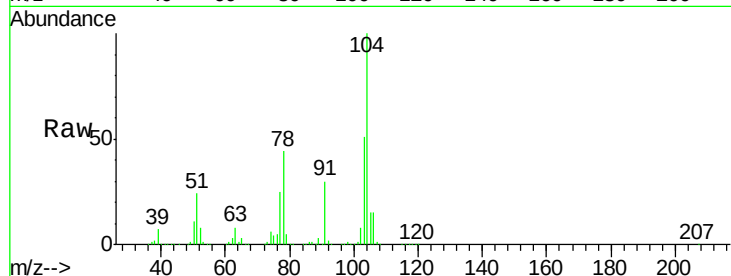
VSTD100406

Tgt Ion:104 Resp: 863383

Ion Ratio Lower Upper

104 100

78 44.0 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

800000

600000

400000

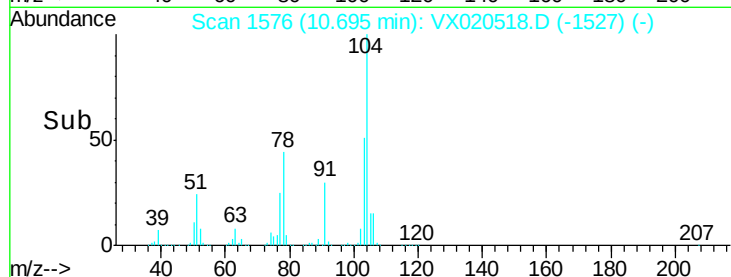
200000

0

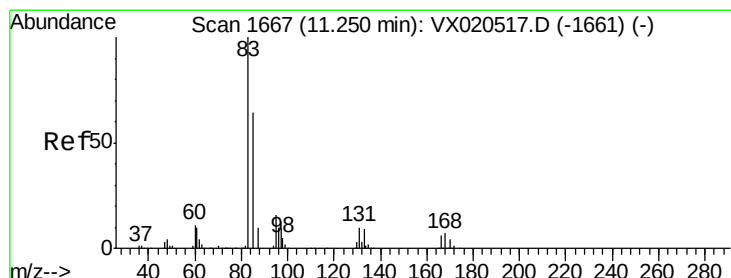
10.60

10.70

10.80



Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 119.423 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

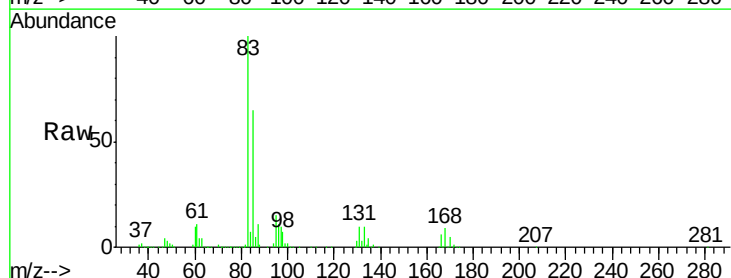
Tgt Ion: 83 Resp: 465662

Ion Ratio Lower Upper

83 100

85 64.8 44.7 82.9

131 9.7 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

500000

400000

300000

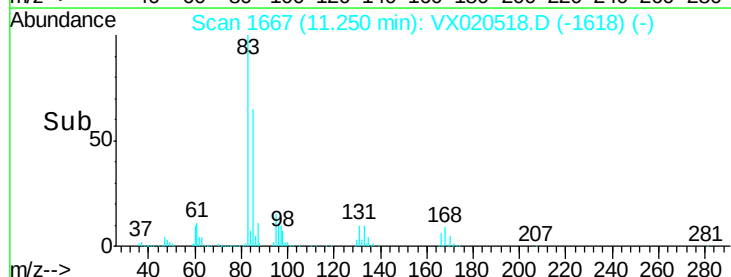
200000

100000

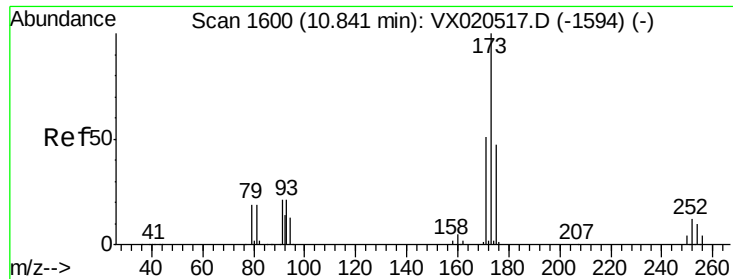
0

11.20

11.30



Time-->



#59

Bromoform

Concen: 99.820 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD100406

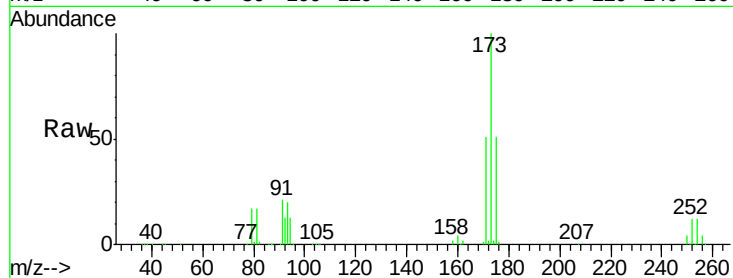
Tgt Ion:173 Resp: 228461

Ion Ratio Lower Upper

173 100

175 50.3 39.4 59.2

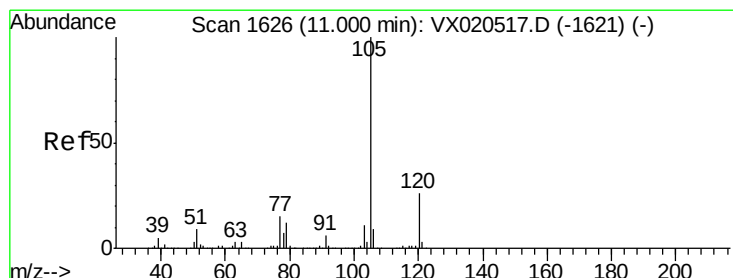
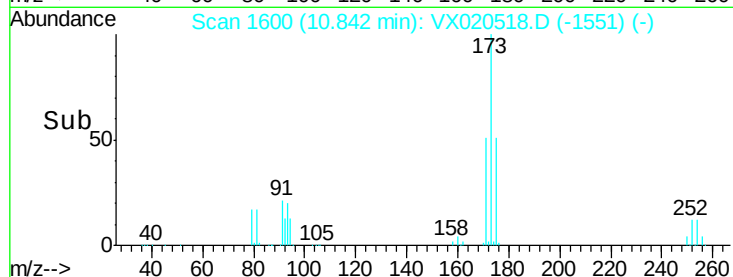
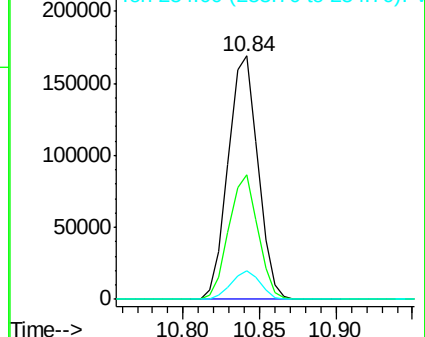
254 11.4 8.6 13.0



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: 114.556 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

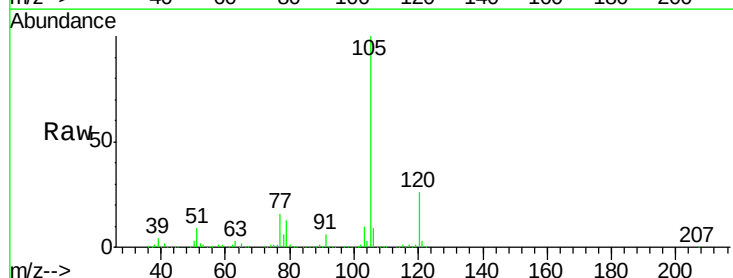
Tgt Ion:105 Resp: 1318603

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

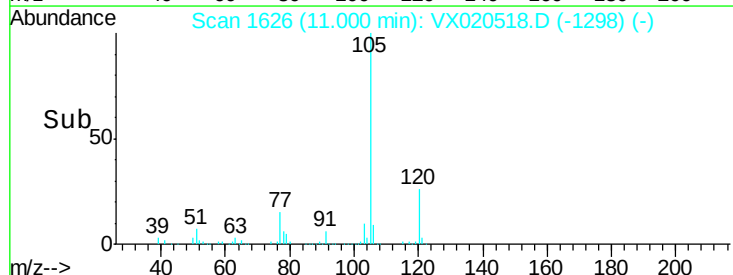
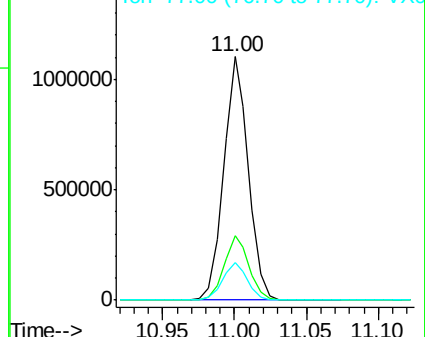
77 15.5 12.6 18.8

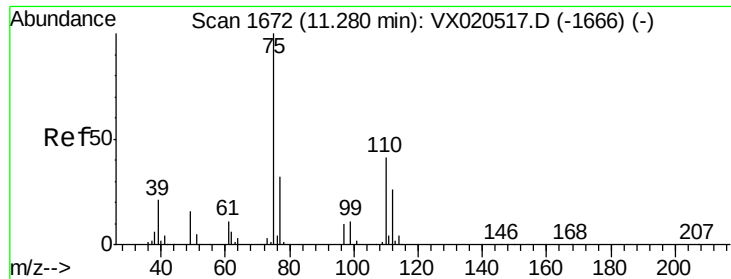


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

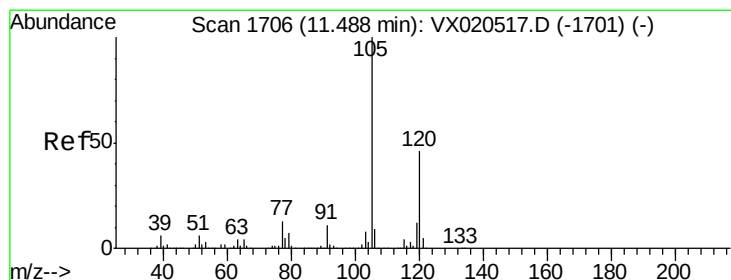
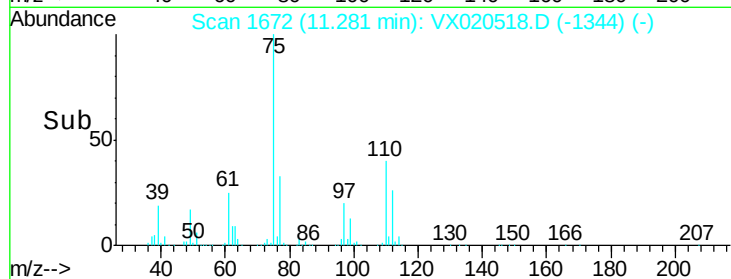
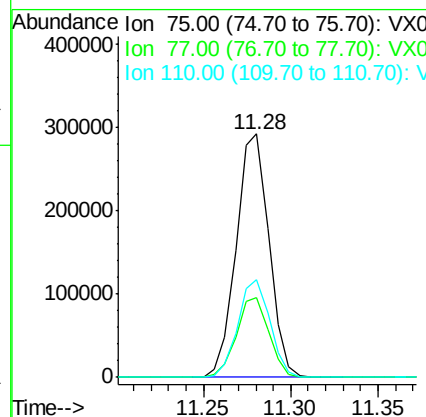
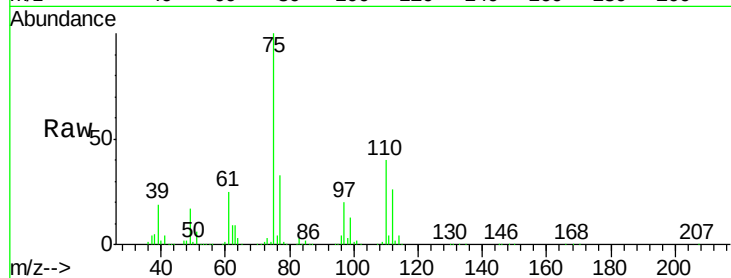




#61
 1,2,3-Trichloropropane
 Concen: 114.533 ug/L
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

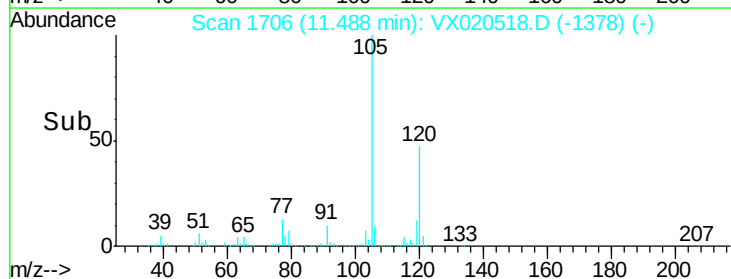
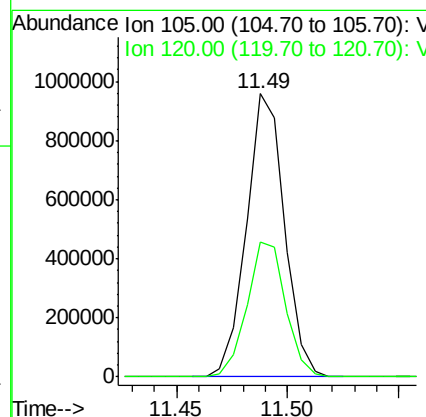
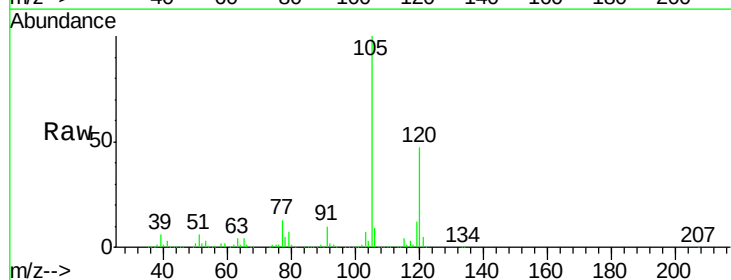
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100406

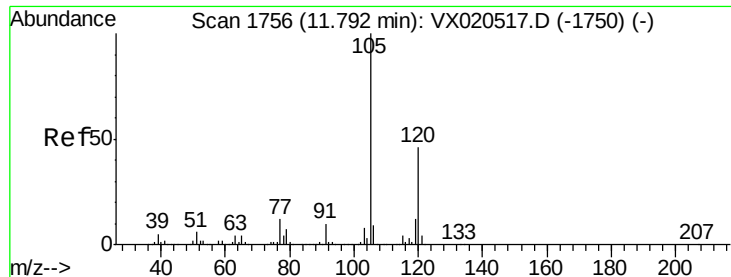
Tgt Ion: 75 Resp: 379355
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2
 110 39.5 31.8 47.8



#62
 1,3,5-Trimethylbenzene
 Concen: 119.386 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Tgt Ion: 105 Resp: 1138990
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.0 57.0

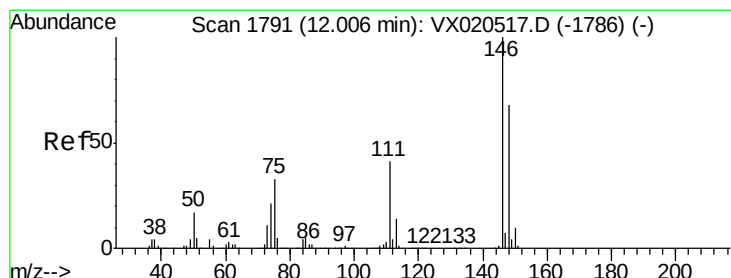
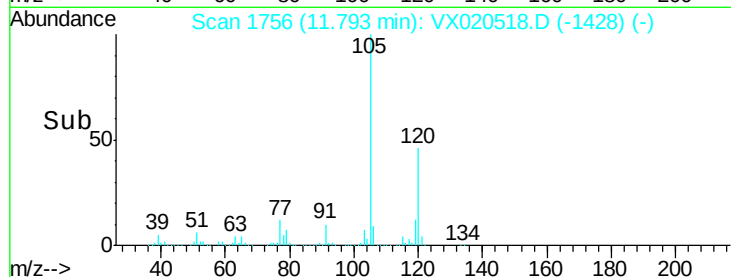
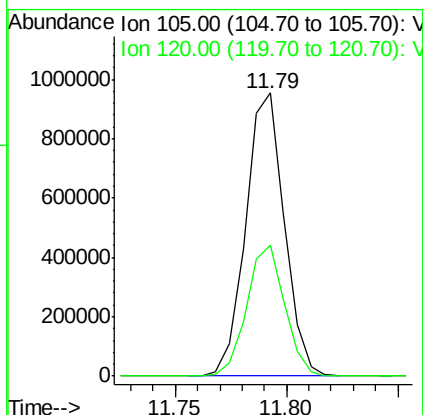
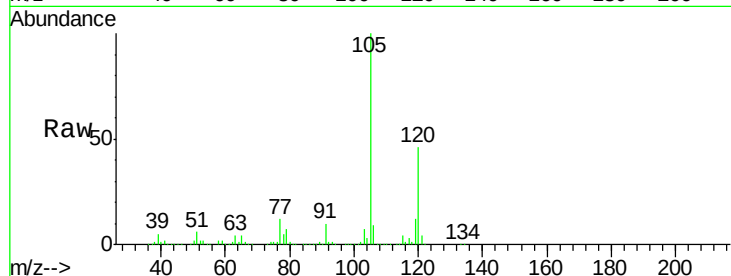




#63
 1,2,4-Trimethylbenzene
 Concen: 119.563 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

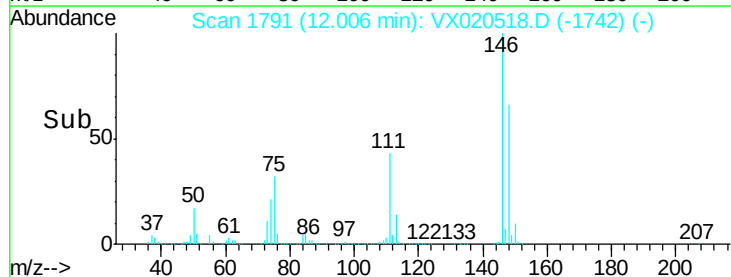
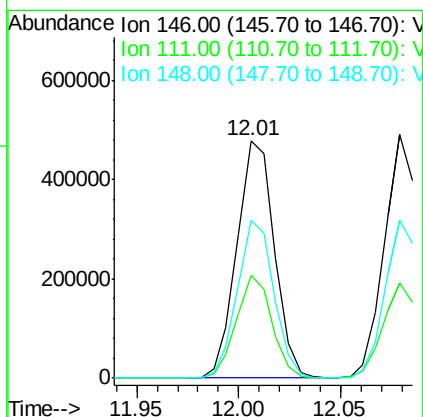
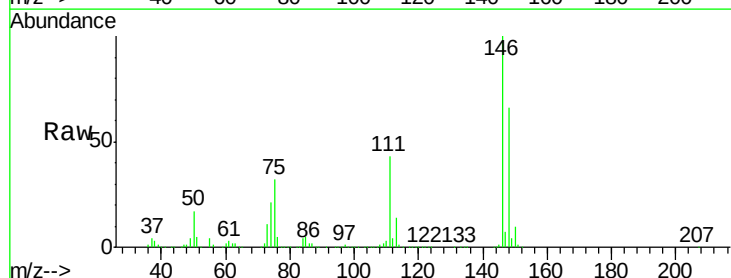
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD100406

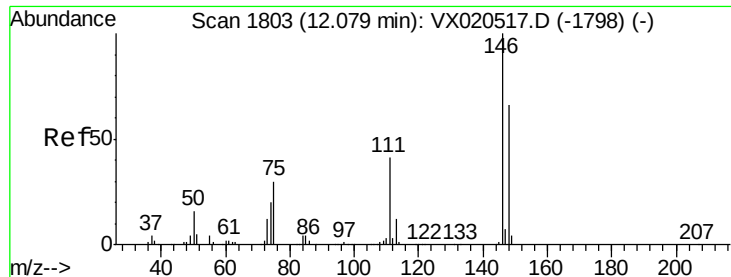
Tgt Ion:105 Resp: 1154133
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.4 54.6



#64
 1,3-Dichlorobenzene
 Concen: 108.938 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Tgt Ion:146 Resp: 610714
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.9 53.7
 148 66.2 47.7 88.7

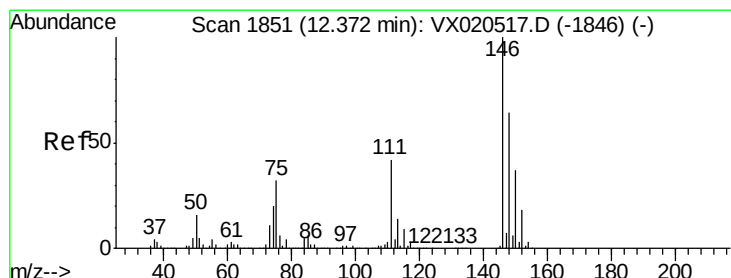
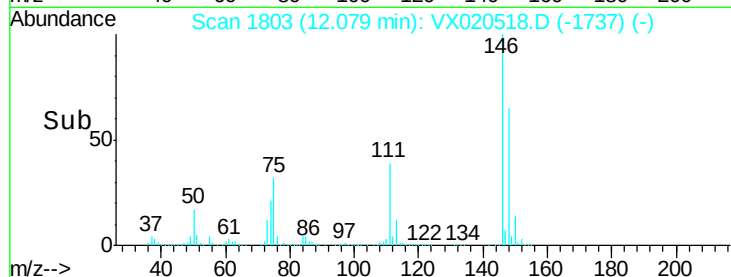
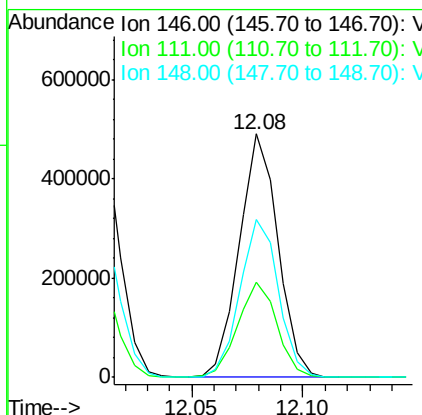
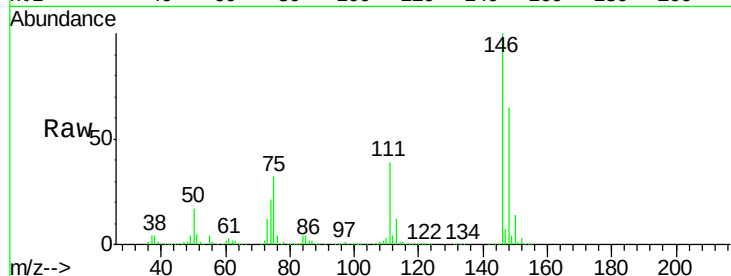




#65
 1,4-Dichlorobenzene
 Concen: 104.860 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

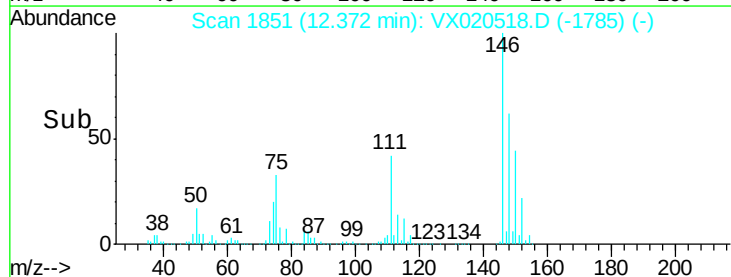
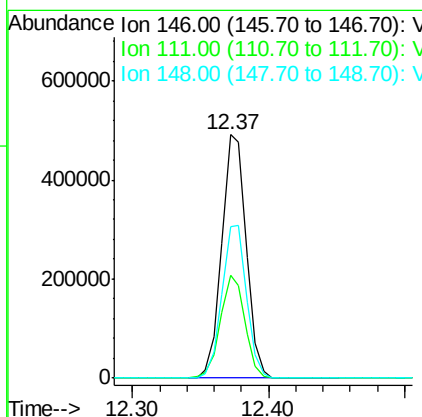
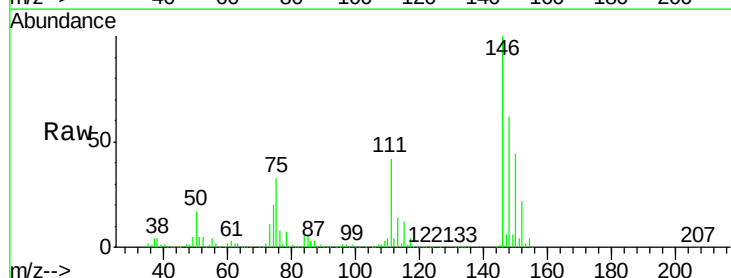
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100406

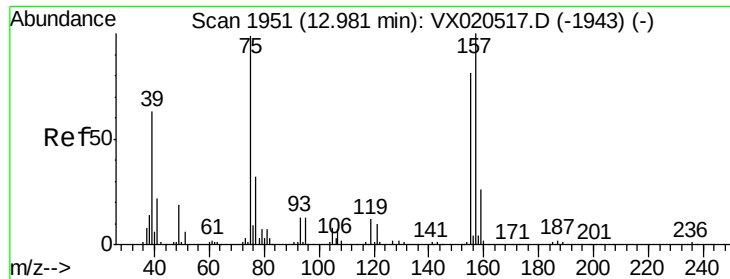
Tgt Ion:146 Resp: 593626
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.7 53.3
 148 65.0 45.8 85.2



#67
 1,2-Dichlorobenzene
 Concen: 111.939 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Tgt Ion:146 Resp: 611154
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.8 50.8
 148 62.2 51.4 77.2





#68

1,2-Dibromo-3-chloropropane

Concen: 109.142 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Instrument :

MSVOA_X

ClientSampleId :

VSTD100406

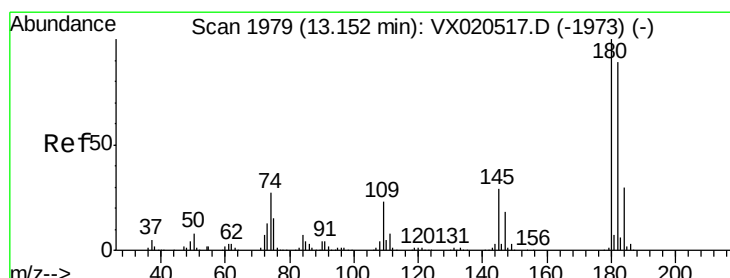
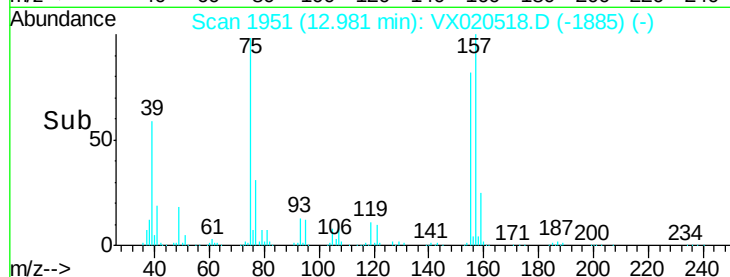
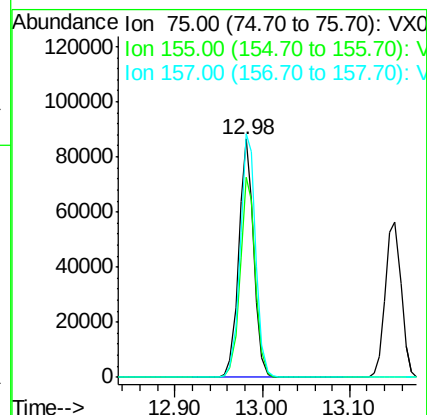
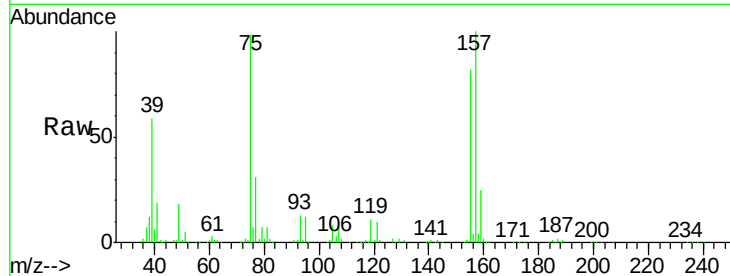
Tgt Ion: 75 Resp: 103539

Ion Ratio Lower Upper

75 100

155 84.1 65.3 97.9

157 102.3 80.5 120.7



#69

1,3,5-Trichlorobenzene

Concen: 111.737 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX020518.D

Acq: 06 Jan 2021 14:25

Tgt Ion: 180 Resp: 424643

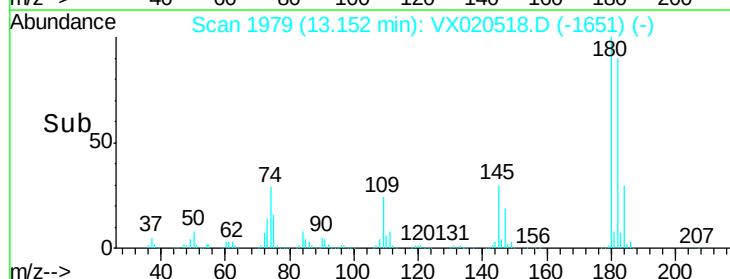
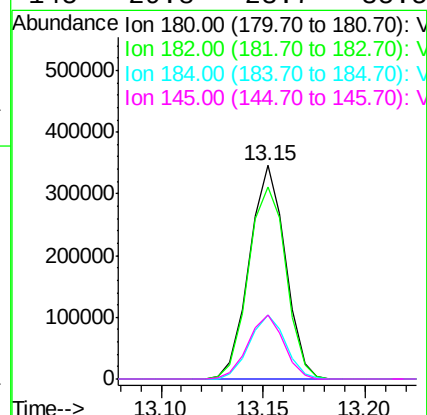
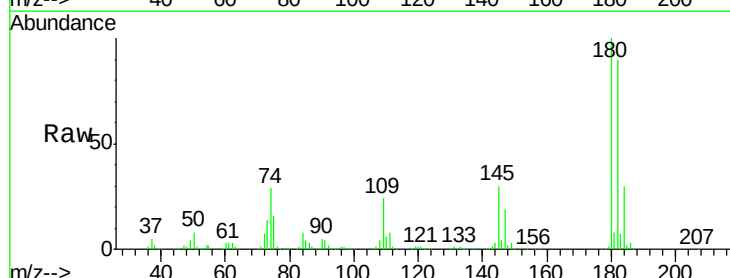
Ion Ratio Lower Upper

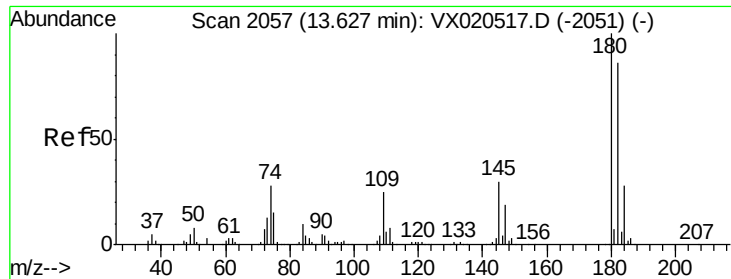
180 100

182 94.2 74.8 112.2

184 30.0 24.1 36.1

145 29.8 23.7 35.5

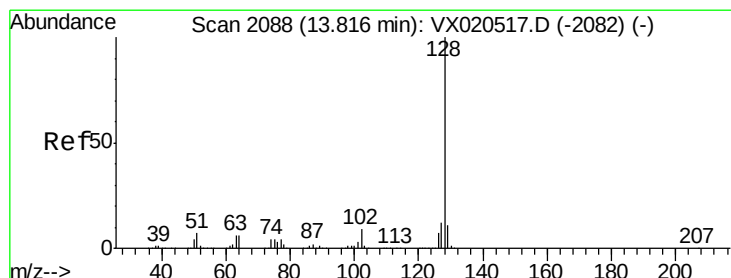
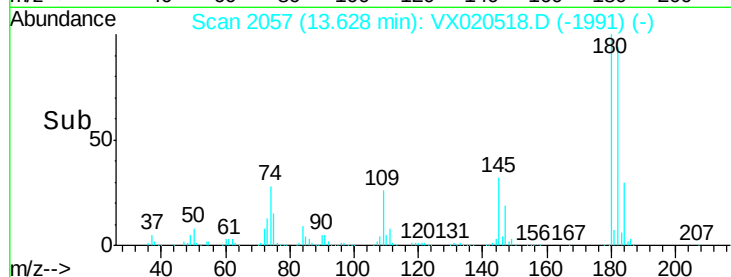
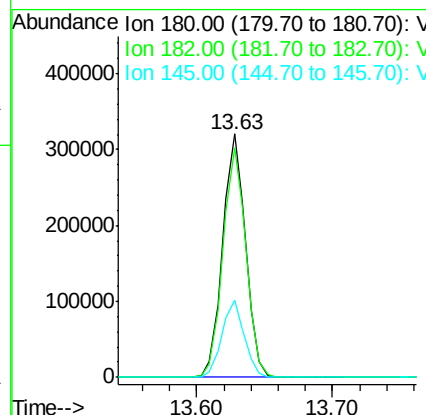
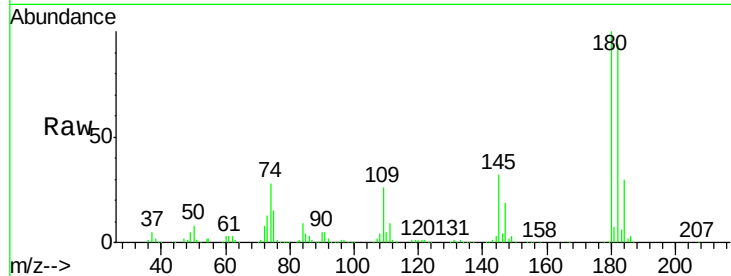




#70
 1,2,4-trichlorobenzene
 Concen: 108.267 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

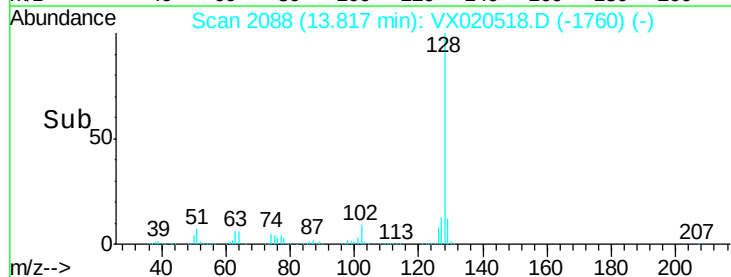
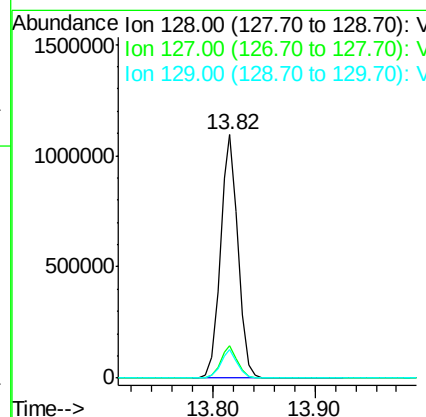
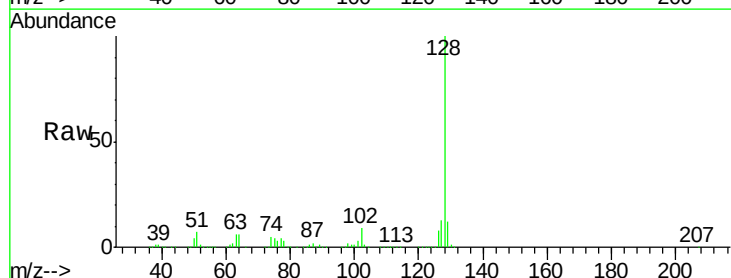
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100406

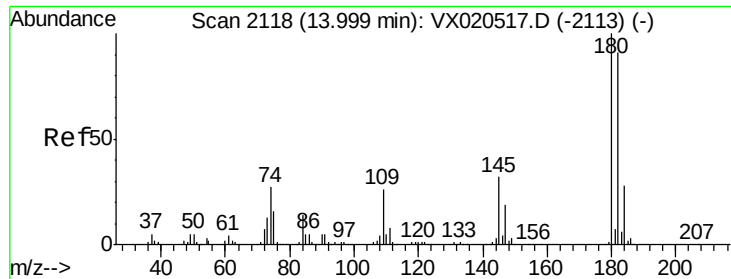
Tgt Ion:180 Resp: 372194
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.3 111.5
 145 30.9 24.1 36.1



#71
 Naphthalene
 Concen: 121.402 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Tgt Ion:128 Resp: 1319738
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.2
 129 11.1 8.6 13.0

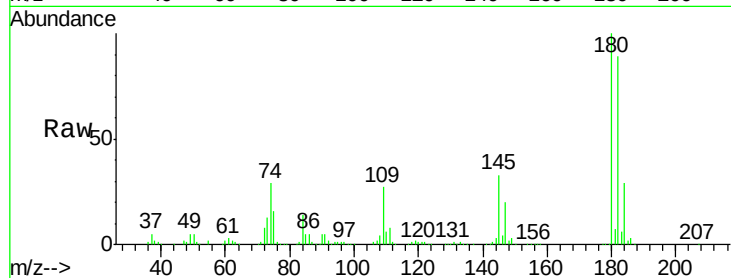




#72
 1,2,3-Trichlorobenzene
 Concen: 111.470 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX020518.D
 Acq: 06 Jan 2021 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100406

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.6	112.0
145	32.3	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

