

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX010721\
 Data File : VX020519.D
 Acq On : 06 Jan 2021 14:49
 Operator : JC/MD
 Sample : VSTD20031
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTD200401

Quant Time: Jan 06 15:11:39 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	351901	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	343954	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	190371	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	609862	246.16	ug/L	0.00
7) Chloroethane-d5	1.67	69	442450	232.28	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.34	63	1108387	225.31	ug/L	0.00
21) 2-Butanone-d5	4.53	46	768286	484.09	ug/L	0.00
24) Chloroform-d	5.14	84	1078451	234.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	669148	197.97	ug/L	0.00
32) Benzene-d6	6.04	84	2188891	234.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	683051	235.58	ug/L	0.00
41) Toluene-d8	8.70	98	2003653	221.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	361277	224.97	ug/L	0.00
47) 2-Hexanone-d5	9.43	63	708396	585.15	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	992251	254.39	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	745136	198.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	678607	217.984	ug/L	99
3) Chloromethane	1.31	50	620662	251.777	ug/L	99
5) Vinyl chloride	1.39	62	664145	244.526	ug/L	99
6) Bromomethane	1.62	94	232567	160.452	ug/L	98
8) Chloroethane	1.70	64	386533	242.919	ug/L	97
9) Trichlorofluoromethane	1.90	101	819059	190.634	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	517956	214.976	ug/L	100
12) 1,1-Dichloroethene	2.35	96	520084	228.369	ug/L	99
13) Acetone	2.42	43	525923	438.947	ug/L	99
14) Carbon disulfide	2.54	76	1640665	236.217	ug/L	99
15) Methyl Acetate	2.75	43	570290	229.135	ug/L	99
16) Methylene chloride	2.83	84	586172	231.763	ug/L	99
17) trans-1,2-Dichloroethene	3.14	96	551873	230.279	ug/L	97
18) Methyl tert-butyl Ether	3.17	73	1743649	229.391	ug/L	99
19) 1,1-Dichloroethane	3.67	63	985689	222.767	ug/L	100
20) cis-1,2-Dichloroethene	4.56	96	615205	233.471	ug/L	99
22) 2-Butanone	4.64	43	842843	468.660	ug/L	98
23) Bromochloromethane	4.98	128	304134	214.400	ug/L	99
25) Chloroform	5.17	83	1033598	209.732	ug/L	99
27) 1,2-Dichloroethane	6.16	62	781454	202.408	ug/L	99
29) Cyclohexane	5.54	56	925699	240.478	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	902491	198.107	ug/L	99
31) Carbon tetrachloride	5.75	117	773609	190.602	ug/L	99
33) Benzene	6.11	78	2299615	231.428	ug/L	100
34) Trichloroethene	7.18	95	592335	218.079	ug/L	98
35) Methylcyclohexane	7.44	83	945679	237.311	ug/L	99
37) 1,2-Dichloropropane	7.49	63	582779	223.500	ug/L	100
38) Bromodichloromethane	7.87	83	779379	213.646	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	955386	230.286	ug/L	100
40) 4-Methyl-2-pentanone	8.62	43	1649646	477.452	ug/L	99

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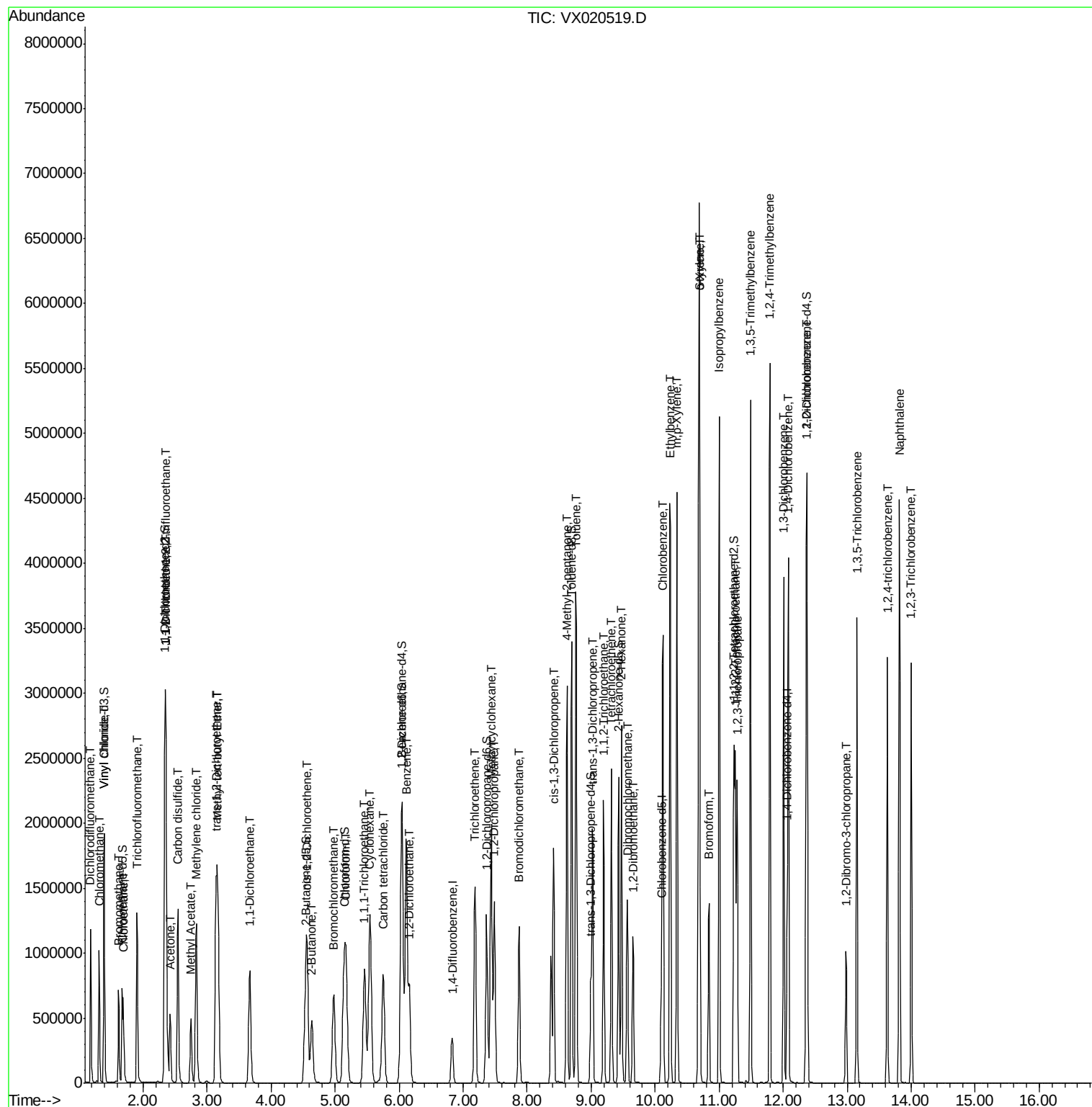
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	2461598	230.980	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	942120	224.326	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	582993	232.923	ug/L	99
46) Tetrachloroethene	9.32	164	468141	212.898	ug/L	98
48) 2-Hexanone	9.48	43	1357342	501.670	ug/L	99
49) Dibromochloromethane	9.57	129	643211	211.408	ug/L	96
50) 1,2-Dibromoethane	9.65	107	628259	229.915	ug/L	96
51) Chlorobenzene	10.12	112	1528562	217.610	ug/L	99
52) Ethylbenzene	10.23	91	2701157	228.938	ug/L	96
53) m,p-Xylene	10.34	106	1054487	236.725	ug/L	98
54) o-Xylene	10.68	106	1032767	241.689	ug/L	94
55) Styrene	10.70	104	1811738	245.305	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.25	83	963267	247.857	ug/L	98
59) Bromoform	10.84	173	507327	205.669	ug/L	100
60) Isopropylbenzene	11.00	105	2707247	218.226	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	792655	222.047	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	2375053	230.984	ug/L	97
63) 1,2,4-Trimethylbenzene	11.79	105	2406458	231.311	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	1260916	208.692	ug/L	99
65) 1,4-Dichlorobenzene	12.08	146	1261691	206.788	ug/L	100
67) 1,2-Dichlorobenzene	12.38	146	1161792	197.440	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.98	75	203596	199.129	ug/L	90
69) 1,3,5-Trichlorobenzene	13.15	180	872507	213.020	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	812896	219.401	ug/L	100
71) Naphthalene	13.82	128	2678435	228.609	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	808594	218.035	ug/L	99

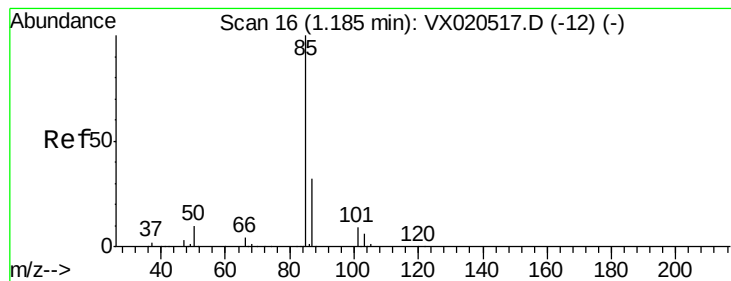
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 217.984 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

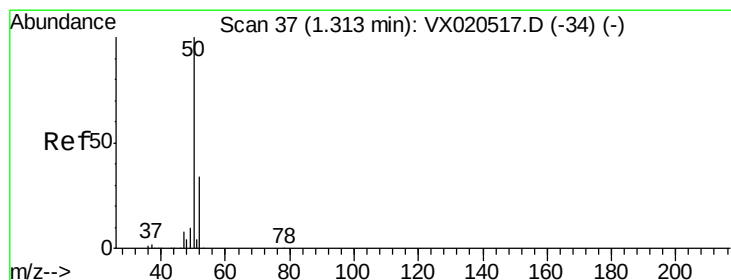
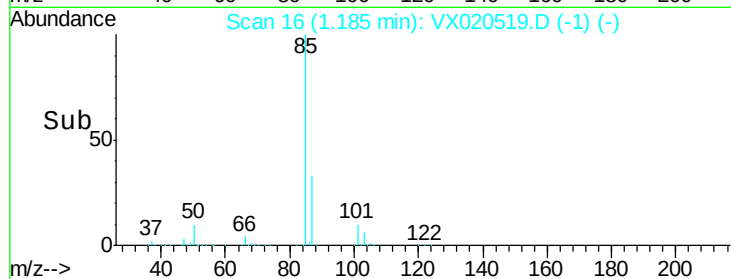
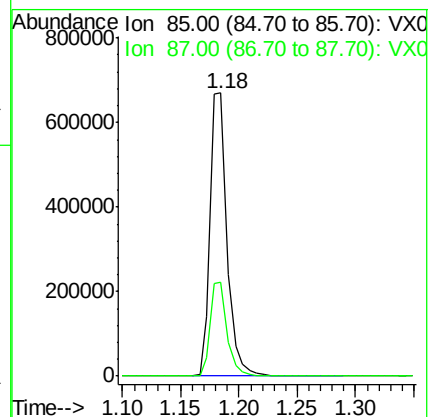
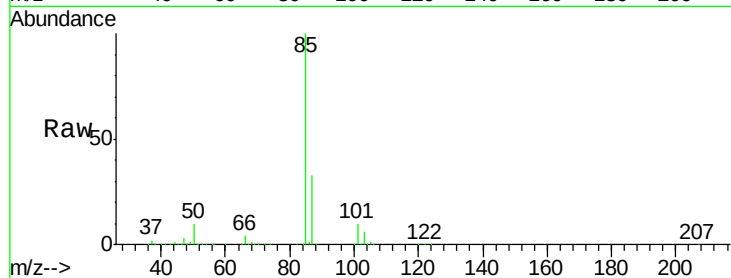
VSTD200401

Tgt Ion: 85 Resp: 678607

Ion Ratio Lower Upper

85 100

87 33.0 25.9 38.9



#3

Chloromethane

Concen: 251.777 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020519.D

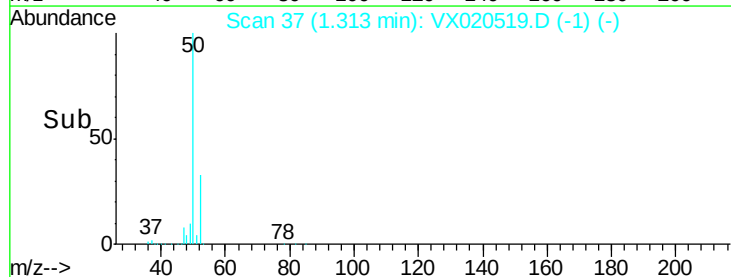
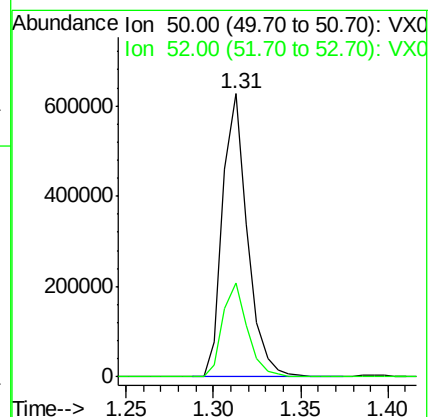
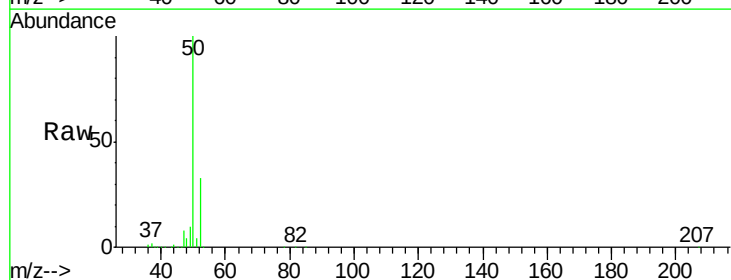
Acq: 06 Jan 2021 14:49

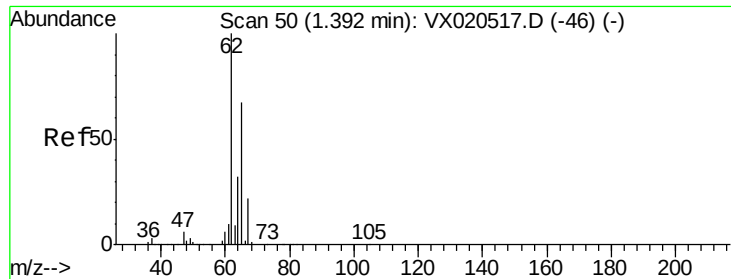
Tgt Ion: 50 Resp: 620662

Ion Ratio Lower Upper

50 100

52 33.2 23.7 43.9





#5

Vinyl chloride

Concen: 244.526 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

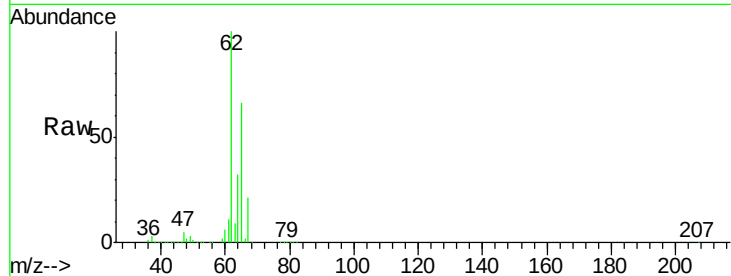
VSTD200401

Tgt Ion: 62 Resp: 664145

Ion Ratio Lower Upper

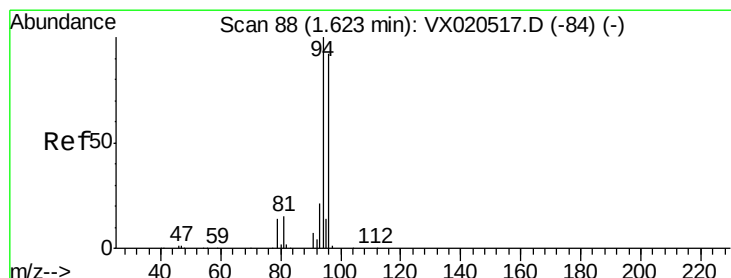
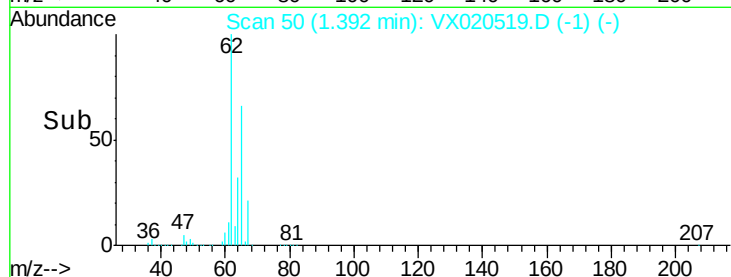
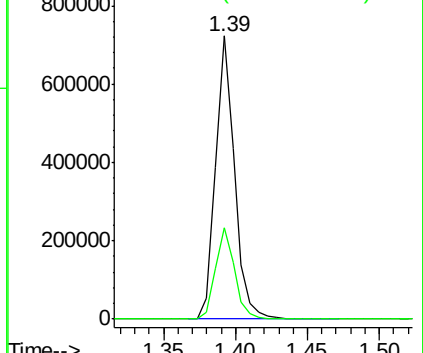
62 100

64 32.2 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: 160.452 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX020519.D

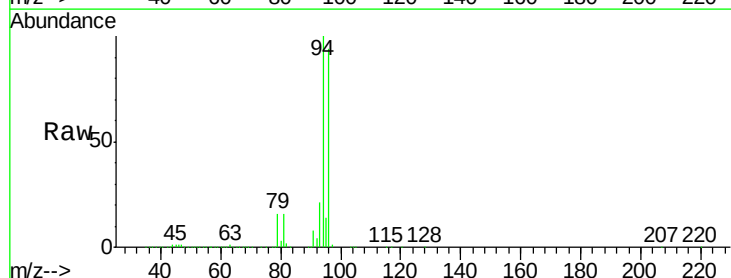
Acq: 06 Jan 2021 14:49

Tgt Ion: 94 Resp: 232567

Ion Ratio Lower Upper

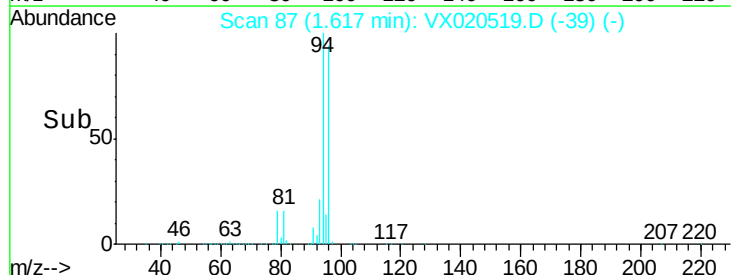
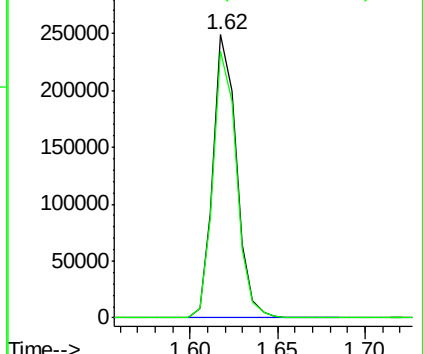
94 100

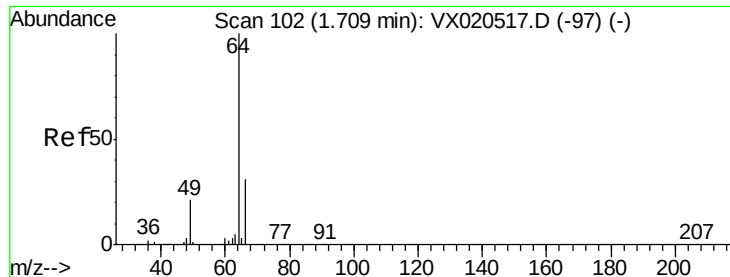
96 94.2 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 242.919 ug/L

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

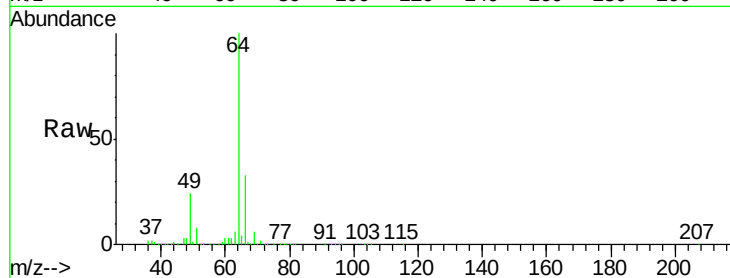
VSTD200401

Tgt Ion: 64 Resp: 386533

Ion Ratio Lower Upper

64 100

66 32.9 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.70

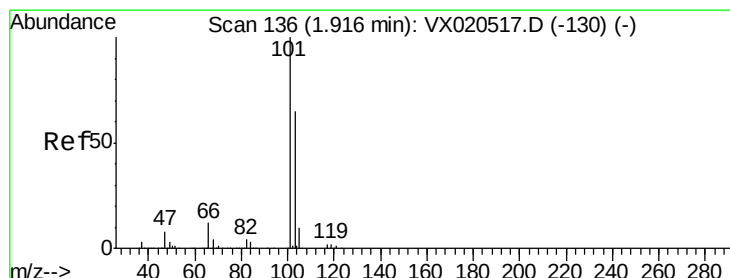
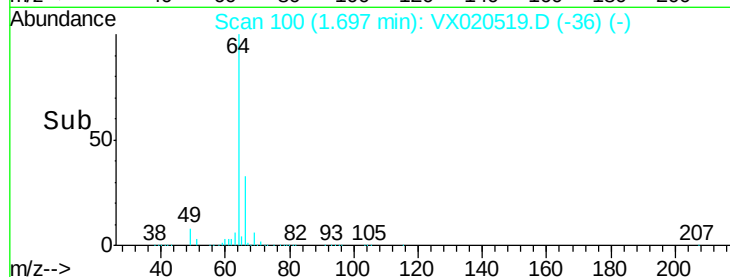
300000

200000

100000

0

Time--> 1.60 1.65 1.70 1.75 1.80



#9

Trichlorofluoromethane

Concen: 190.634 ug/L

RT: 1.90 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX020519.D

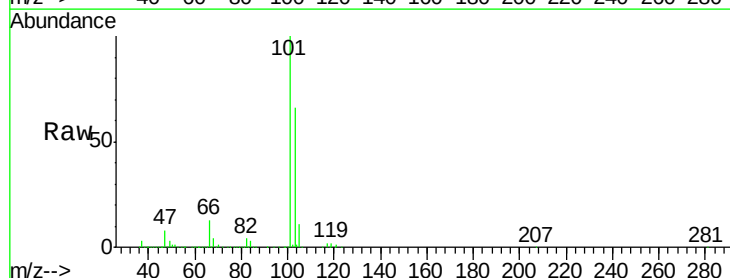
Acq: 06 Jan 2021 14:49

Tgt Ion: 101 Resp: 819059

Ion Ratio Lower Upper

101 100

103 65.0 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.90

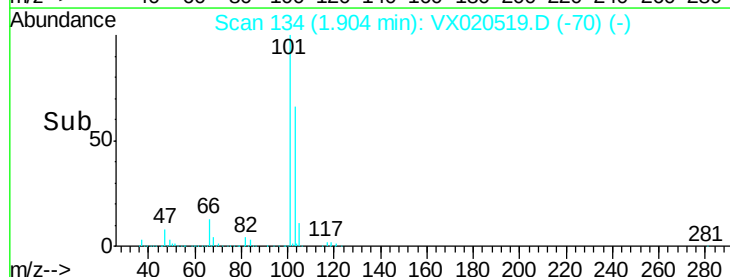
600000

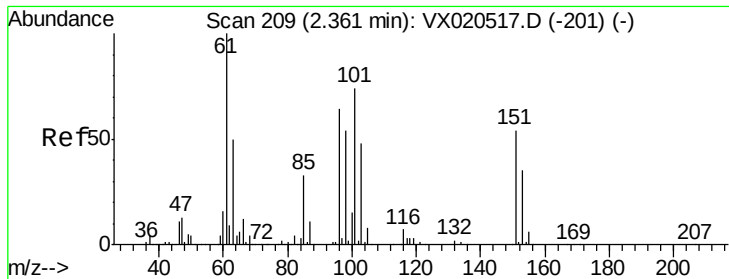
400000

200000

0

Time--> 1.80 1.90 2.00





#10

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

Concen: 214.976 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX020519.D

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Instrument :

MSVOA_X

ClientSampleId :

VSTD200401

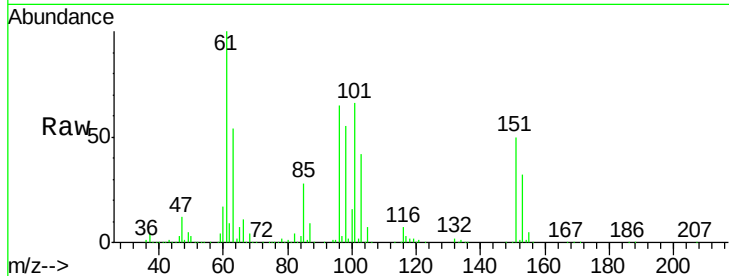
Tgt Ion: 101 Resp: 517956

Ion Ratio Lower Upper

101 100

85 42.6 34.3 51.5

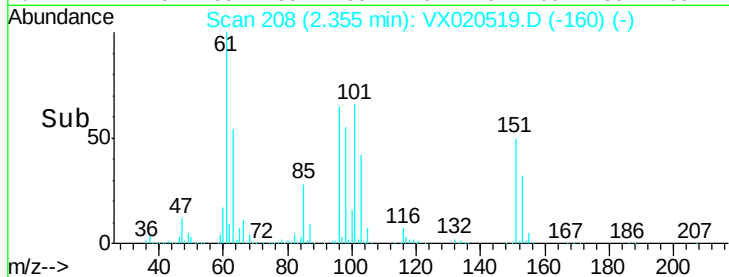
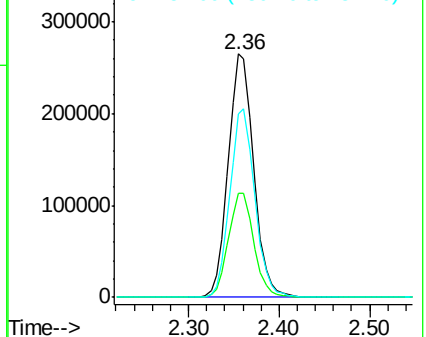
151 75.8 60.7 91.1



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: 228.369 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

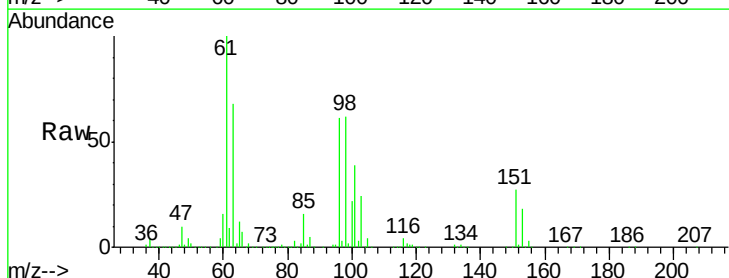
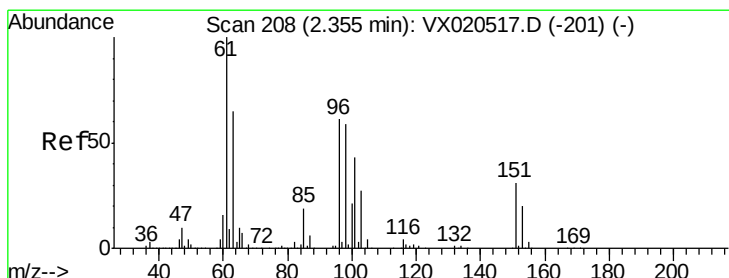
Tgt Ion: 96 Resp: 520084

Ion Ratio Lower Upper

96 100

61 165.0 115.5 214.5

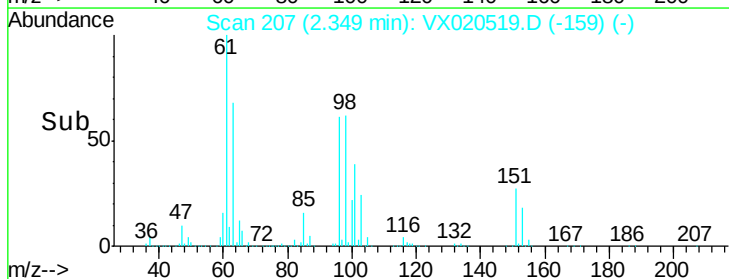
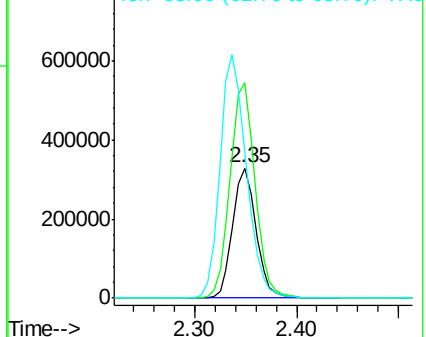
63 112.0 77.3 143.7

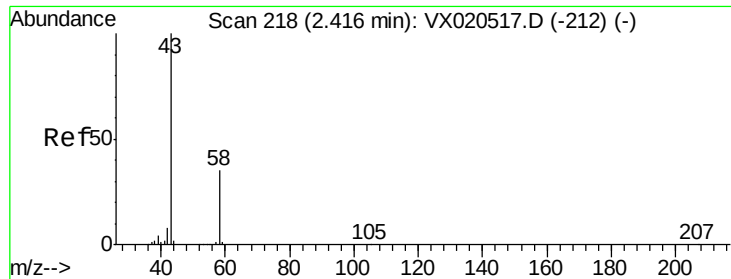


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 438.947 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

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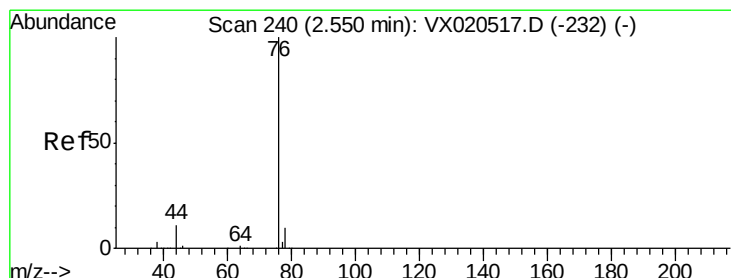
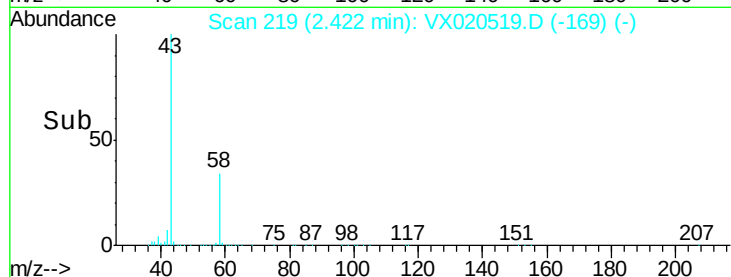
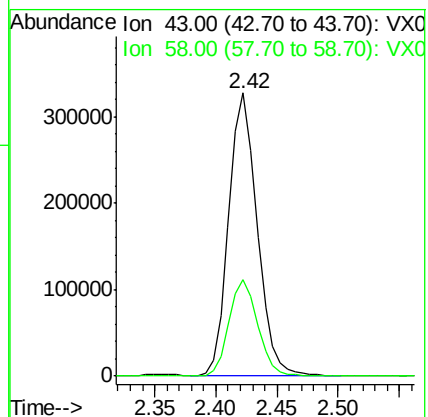
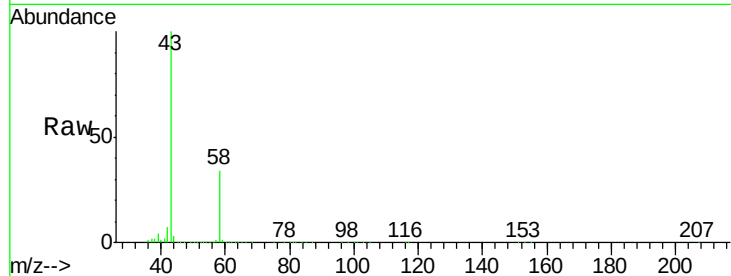
VSTD200401

Tgt Ion: 43 Resp: 525923

Ion Ratio Lower Upper

43 100

58 34.5 0.0 68.2



#14

Carbon disulfide

Concen: 236.217 ug/L

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX020519.D

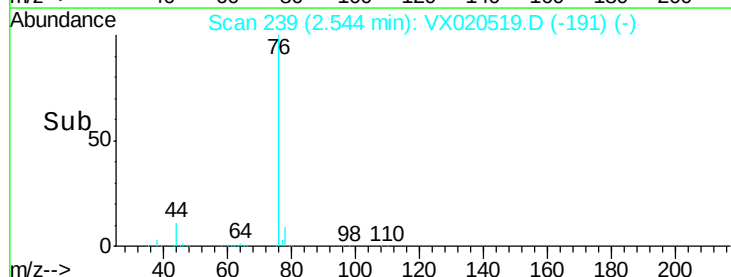
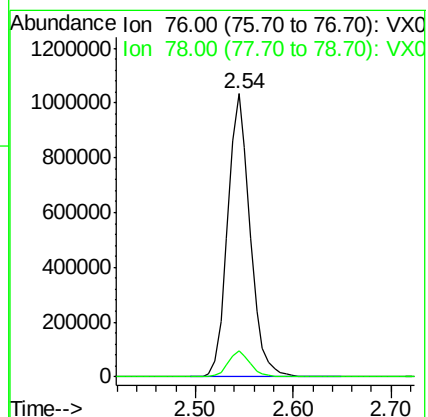
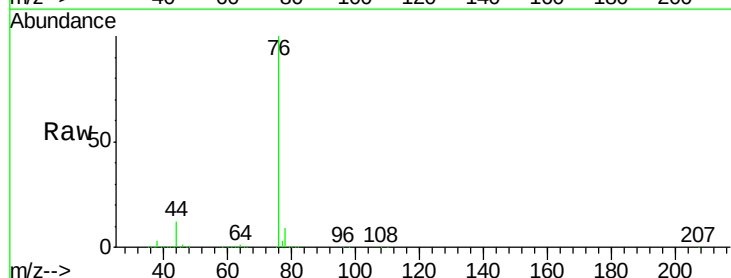
Acq: 06 Jan 2021 14:49

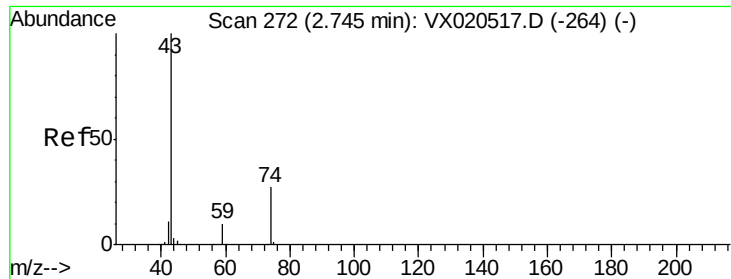
Tgt Ion: 76 Resp: 1640665

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

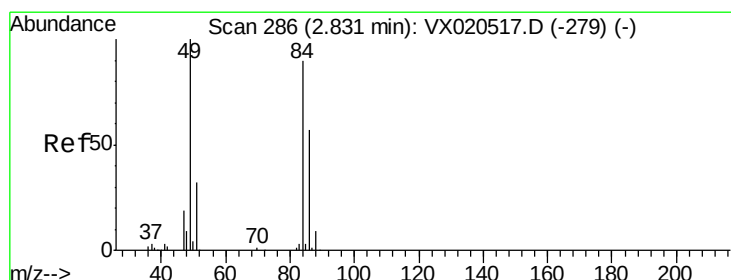
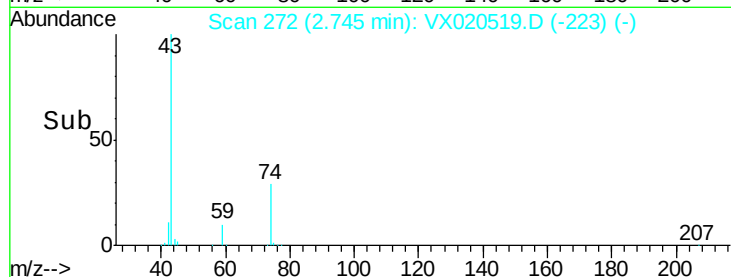
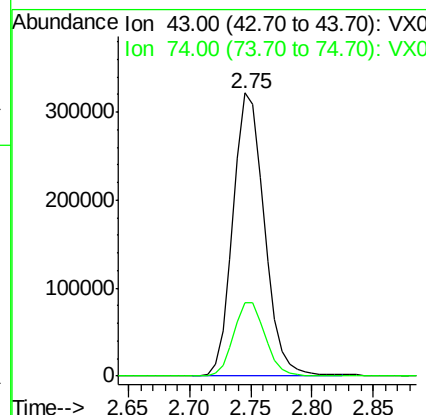
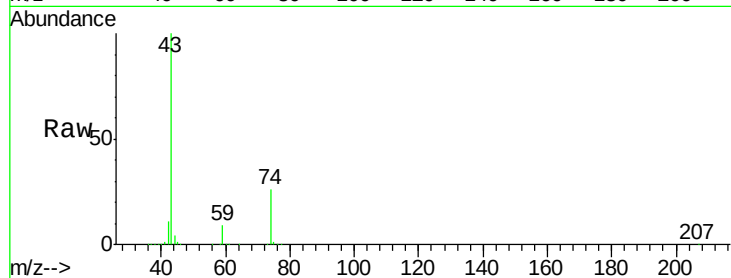




#15
Methyl Acetate
Concen: 229.135 ug/L
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

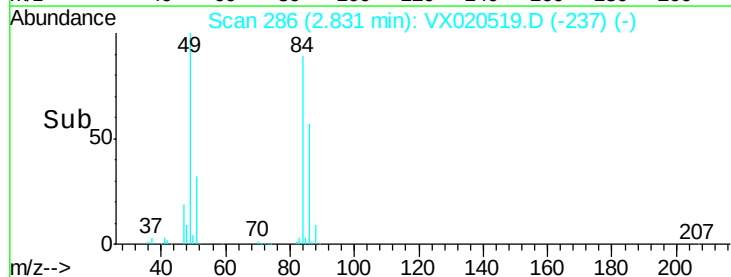
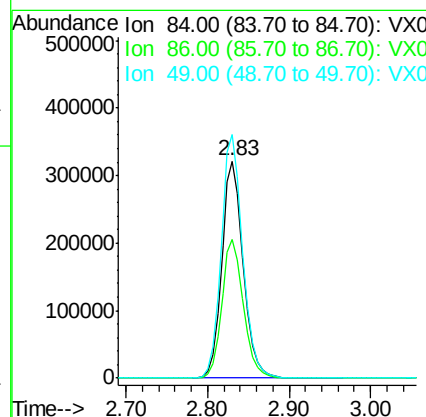
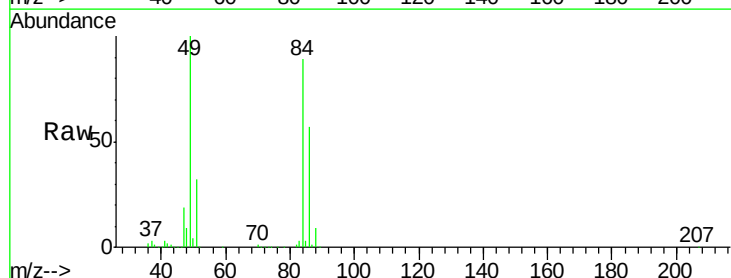
Instrument :
MSVOA_X
ClientSampleId :
VSTD200401

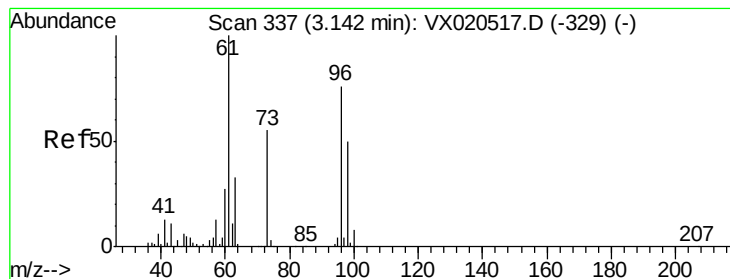
Tgt Ion: 43 Resp: 570290
Ion Ratio Lower Upper
43 100
74 26.5 21.7 32.5



#16
Methylene chloride
Concen: 231.763 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Tgt Ion: 84 Resp: 586172
Ion Ratio Lower Upper
84 100
86 63.6 44.2 82.0
49 112.1 77.8 144.6





#17

trans-1,2-Dichloroethene

Concen: 230.279 ug/L

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampled :

VSTD200401

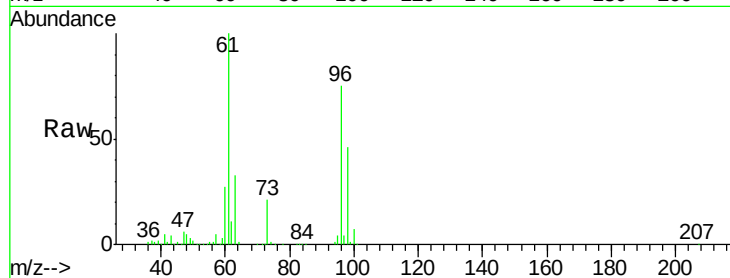
Tgt Ion: 96 Resp: 551873

Ion Ratio Lower Upper

96 100

61 133.5 92.3 171.3

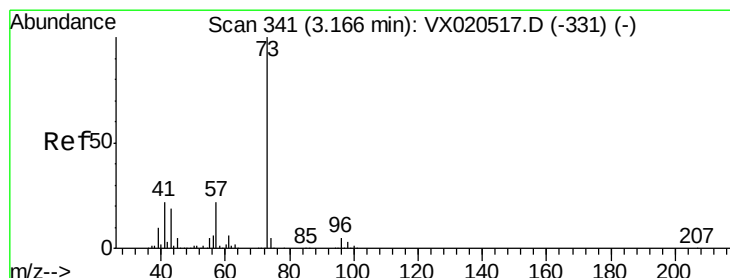
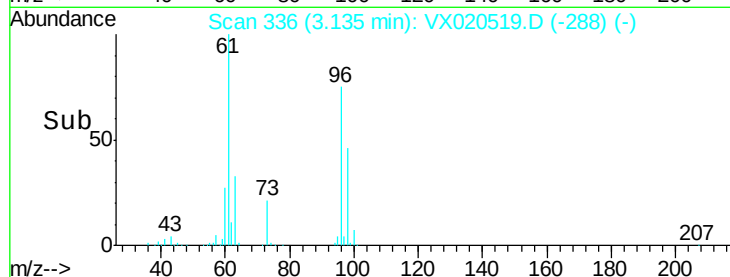
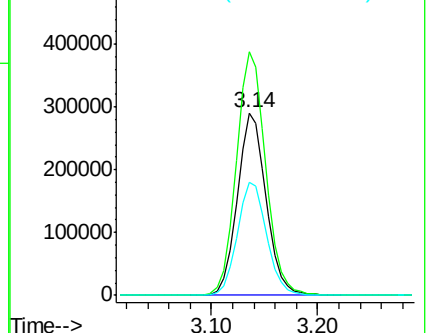
98 61.7 46.3 85.9



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 229.391 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

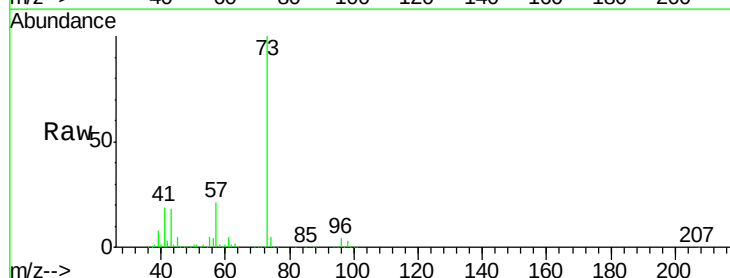
Tgt Ion: 73 Resp: 1743649

Ion Ratio Lower Upper

73 100

43 18.5 15.1 22.7

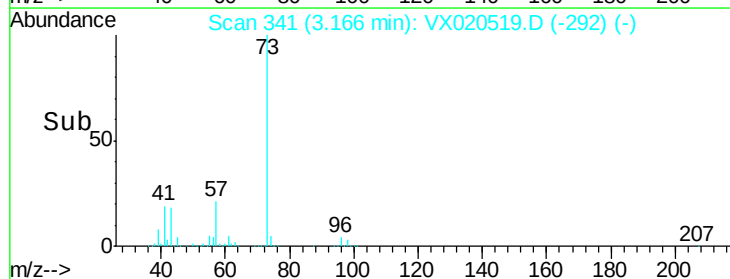
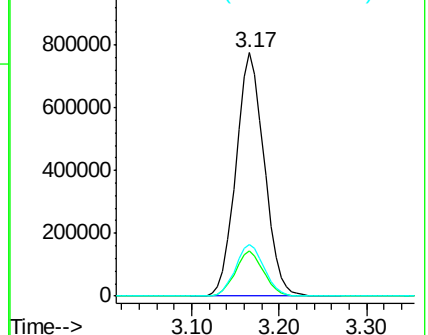
57 21.7 17.4 26.2

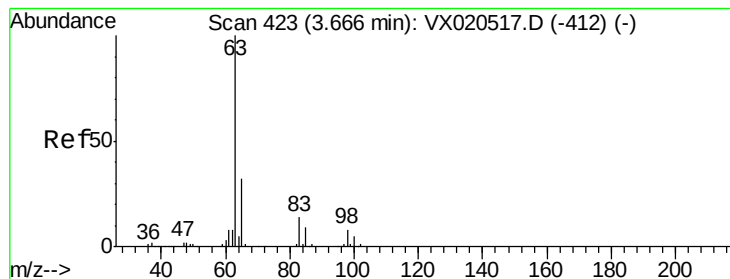


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#19

1,1-Dichloroethane

Concen: 222.767 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampled :

VSTD200401

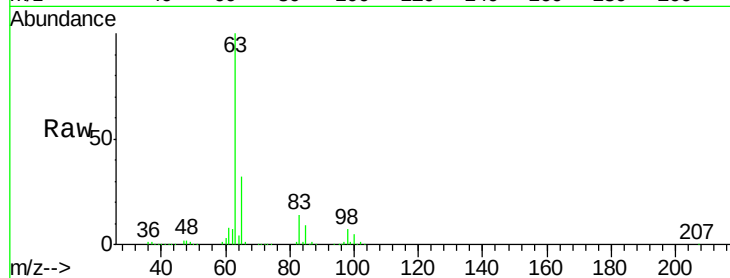
Tgt Ion: 63 Resp: 985689

Ion Ratio Lower Upper

63 100

65 32.3 22.4 41.6

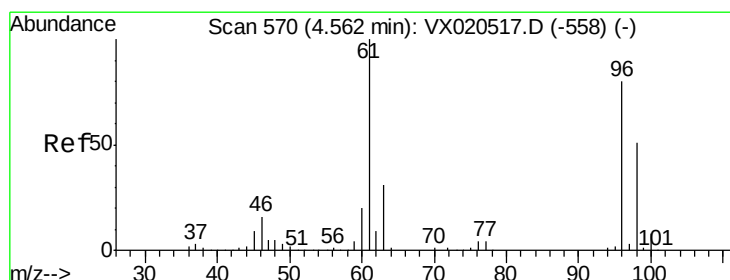
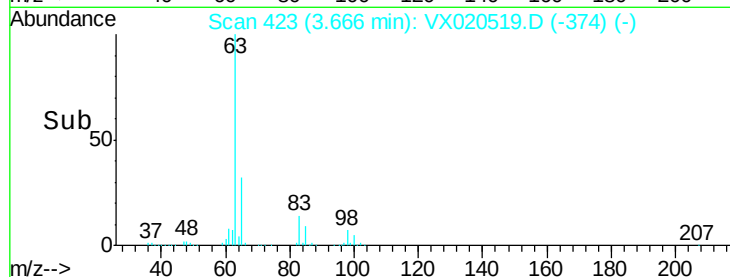
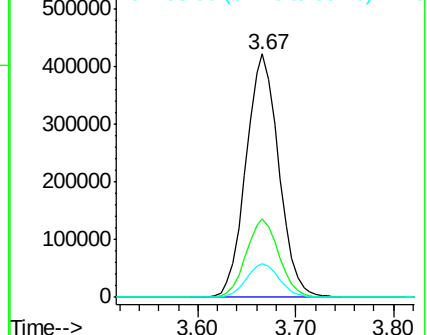
83 13.7 9.5 17.7



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: 233.471 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

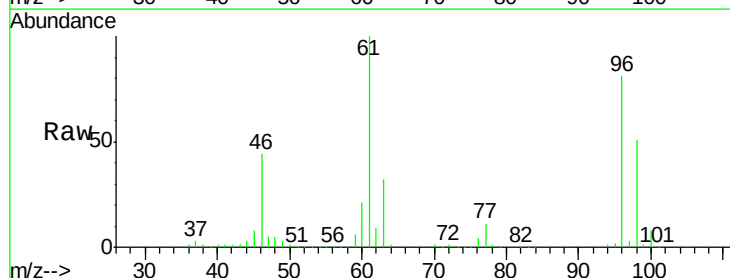
Tgt Ion: 96 Resp: 615205

Ion Ratio Lower Upper

96 100

61 123.9 87.8 163.0

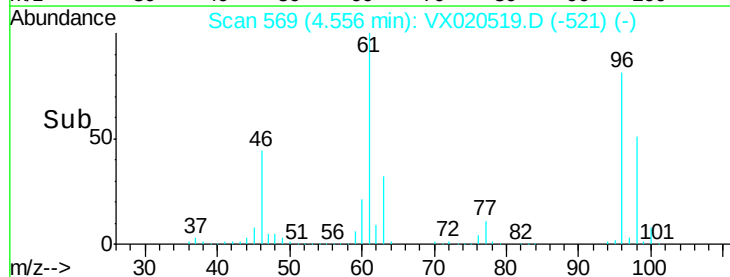
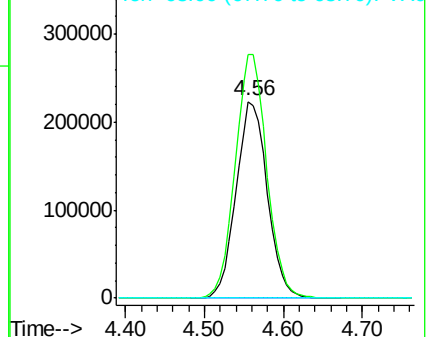
68 0.0 0.0 0.0

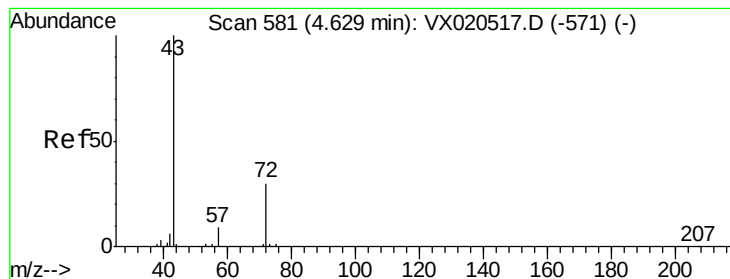


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 468.660 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

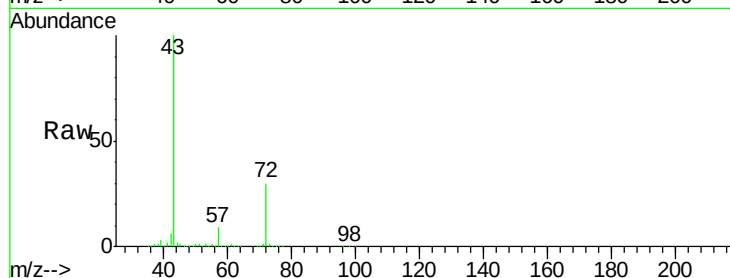
VSTD200401

Tgt Ion: 43 Resp: 842843

Ion Ratio Lower Upper

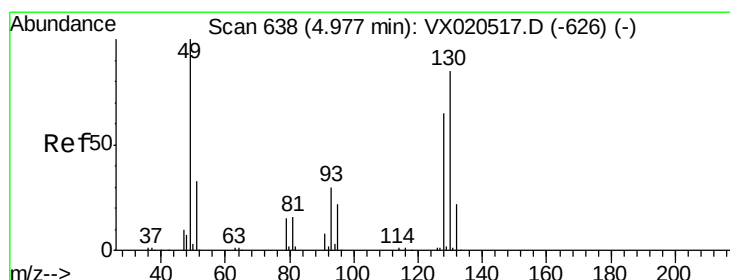
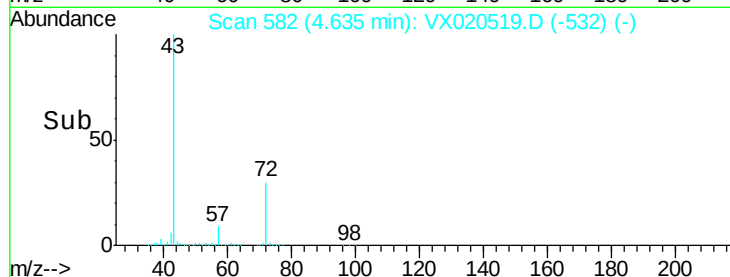
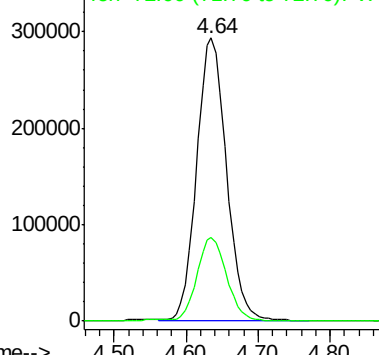
43 100

72 29.5 15.3 45.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 214.400 ug/L

RT: 4.98 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Tgt Ion: 128 Resp: 304134

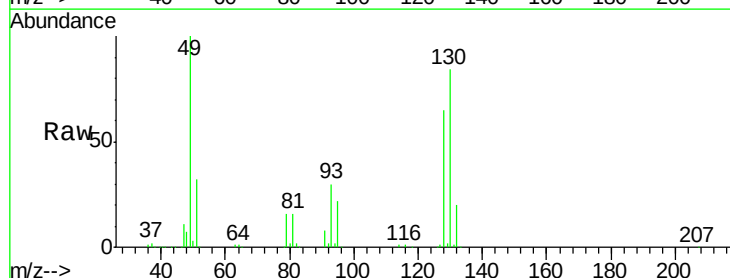
Ion Ratio Lower Upper

128 100

49 154.7 107.5 199.7

130 129.3 91.1 169.3

51 49.1 40.3 60.5

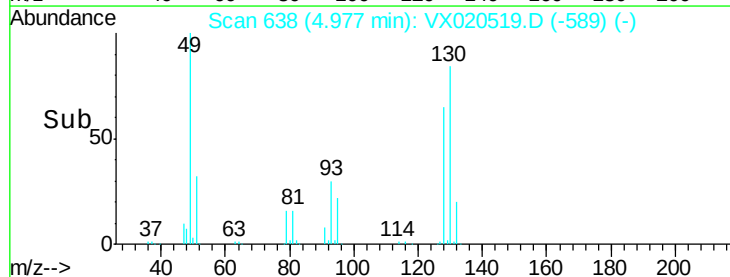
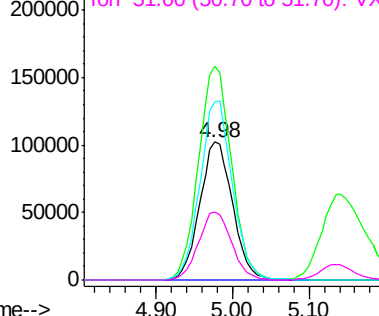


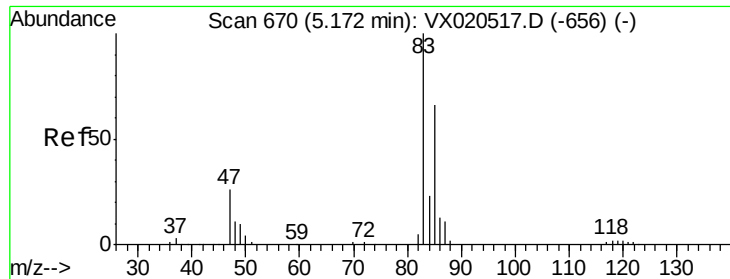
Abundance Ion 128.00 (127.70 to 128.70): V

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

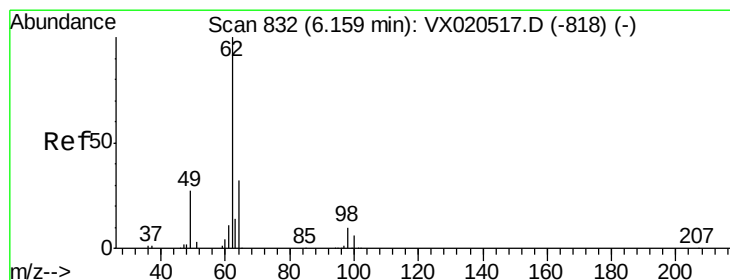
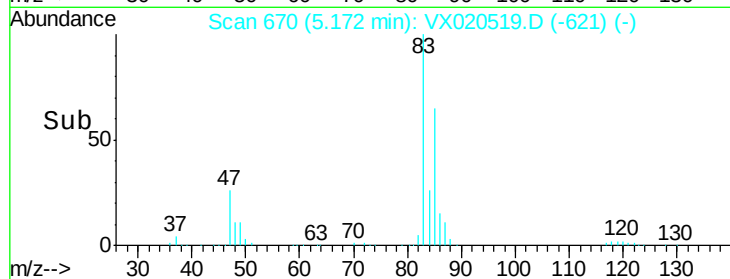
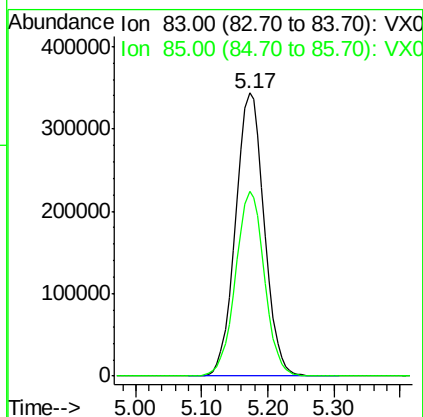
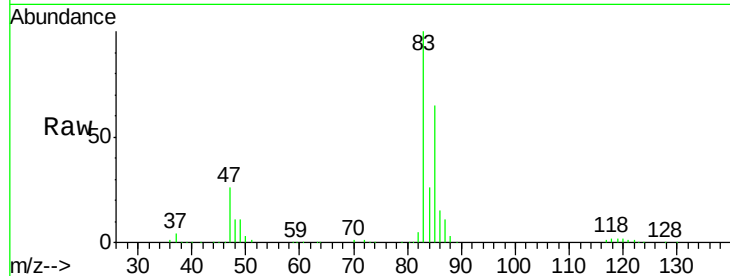




#25
Chloroform
Concen: 209.732 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

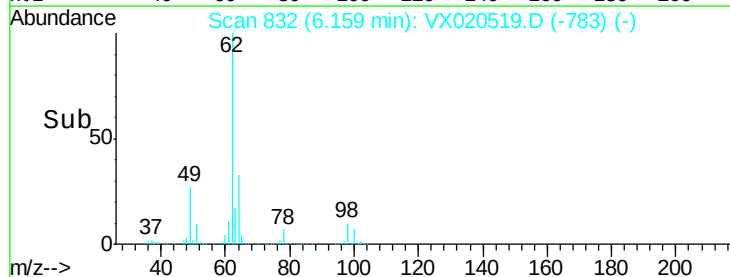
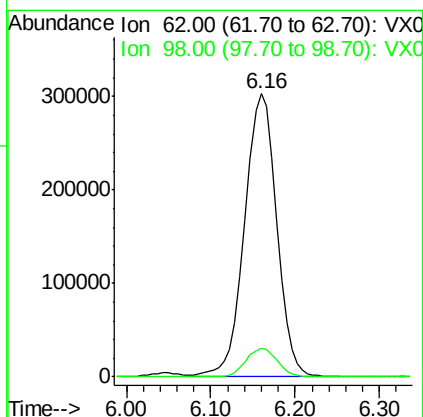
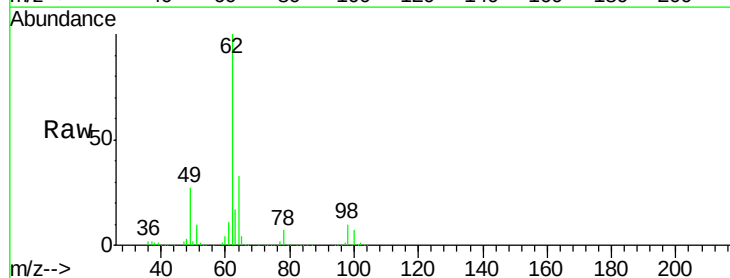
Instrument :
MSVOA_X
ClientSampleId :
VSTD200401

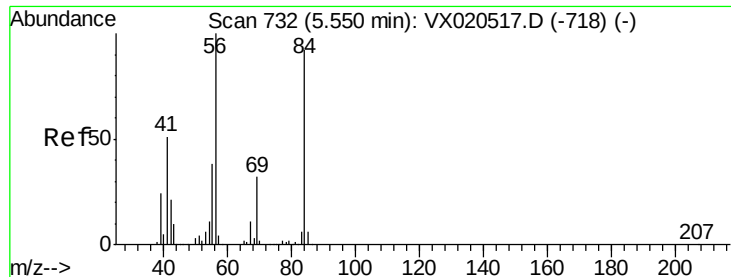
Tgt Ion: 83 Resp: 1033598
Ion Ratio Lower Upper
83 100
85 65.3 46.3 85.9



#27
1,2-Dichloroethane
Concen: 202.408 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Tgt Ion: 62 Resp: 781454
Ion Ratio Lower Upper
62 100
98 10.2 7.9 11.9

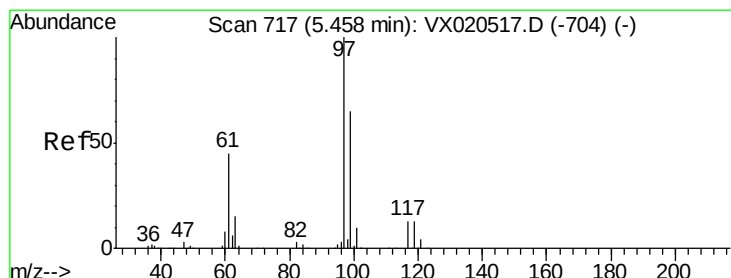
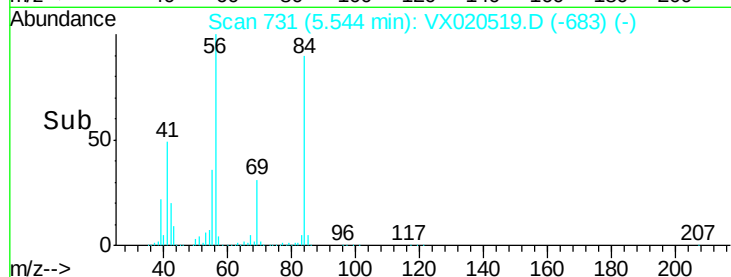
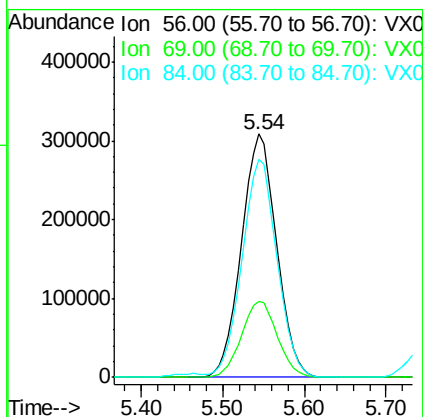
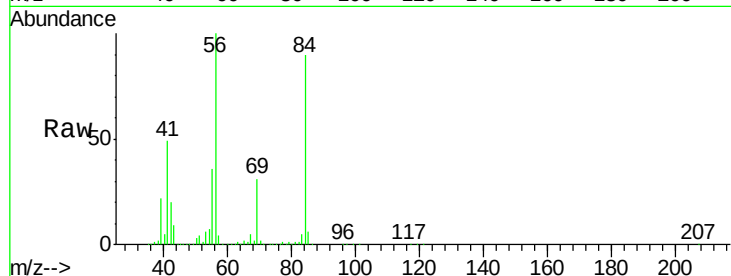




#29
Cyclohexane
Concen: 240.478 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

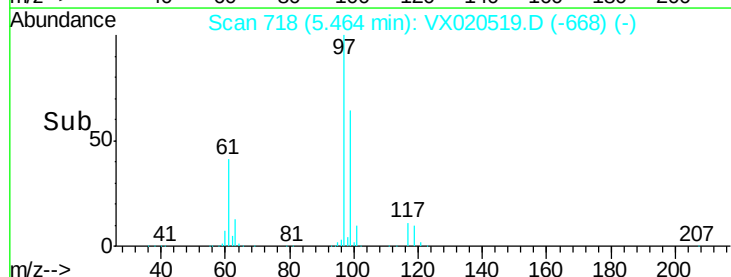
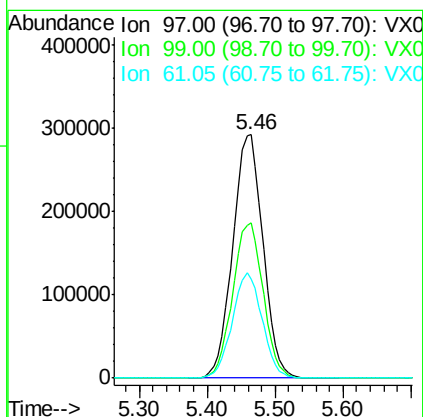
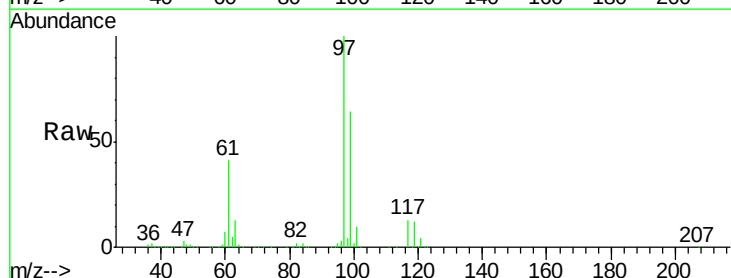
Instrument :
MSVOA_X
ClientSampleId :
VSTD200401

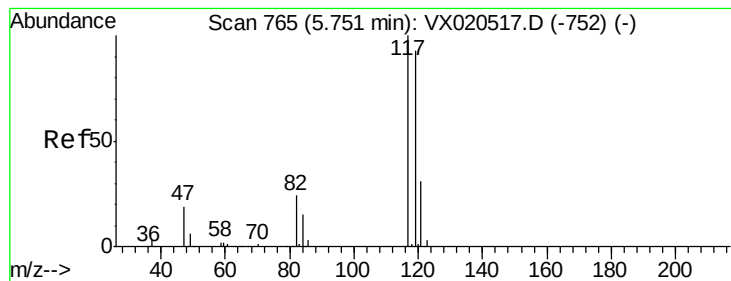
Tgt Ion: 56 Resp: 925699
Ion Ratio Lower Upper
56 100
69 31.8 25.7 38.5
84 89.5 72.4 108.6



#30
1,1,1-Trichloroethane
Concen: 198.107 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Tgt Ion: 97 Resp: 902491
Ion Ratio Lower Upper
97 100
99 64.2 52.1 78.1
61 43.0 35.3 52.9





#31

Carbon tetrachloride

Concen: 190.602 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

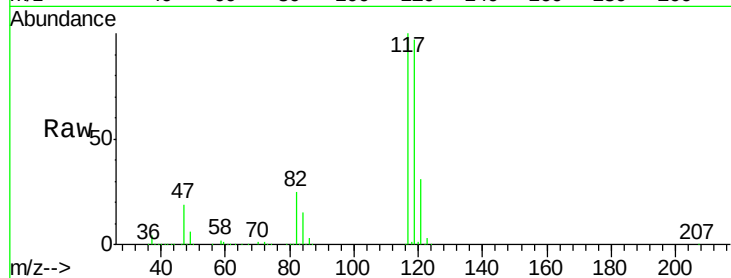
VSTD200401

Tgt Ion:117 Resp: 773609

Ion Ratio Lower Upper

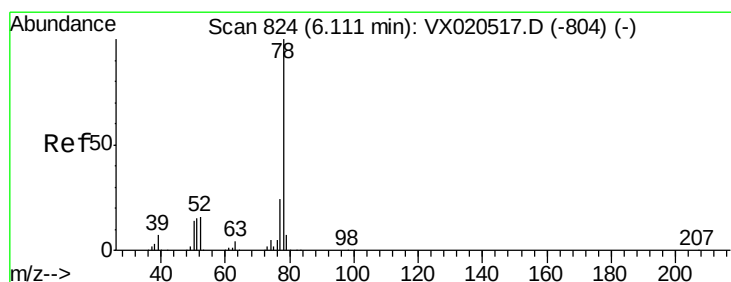
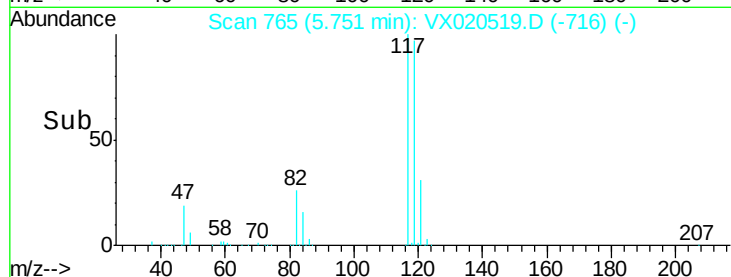
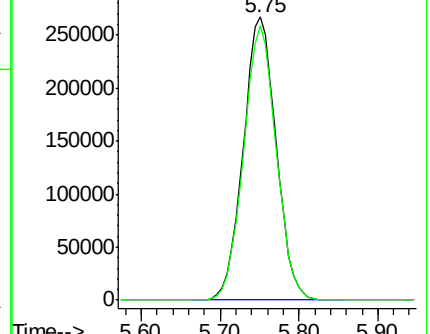
117 100

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: 231.428 ug/L

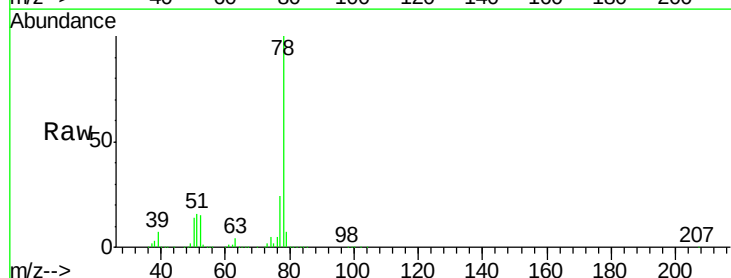
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

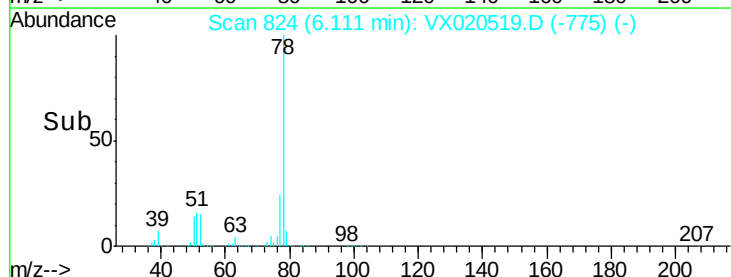
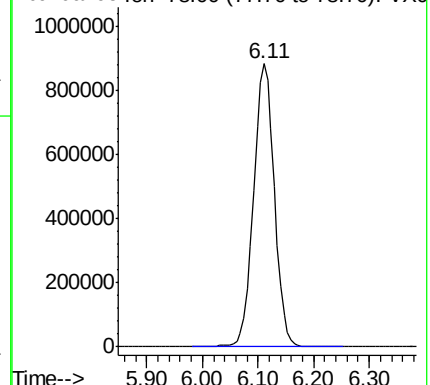
Lab File: VX020519.D

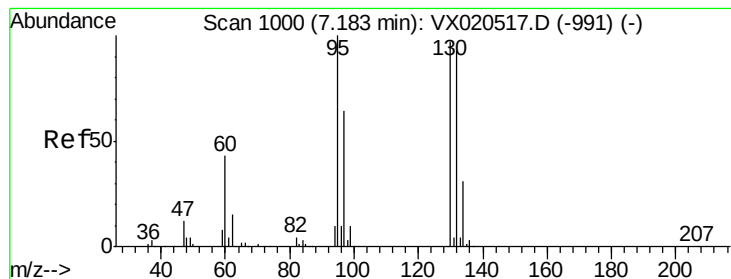
Acq: 06 Jan 2021 14:49

Tgt Ion: 78 Resp: 2299615



Abundance Ion 78.00 (77.70 to 78.70): VX0





#34

Trichloroethene

Concen: 218.079 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

VSTD200401

Tgt Ion: 95 Resp: 592335

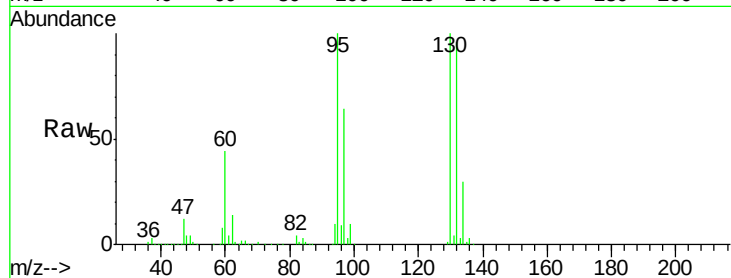
Ion Ratio Lower Upper

95 100

97 63.9 44.5 82.7

132 96.0 65.2 121.0

130 99.6 67.7 125.7

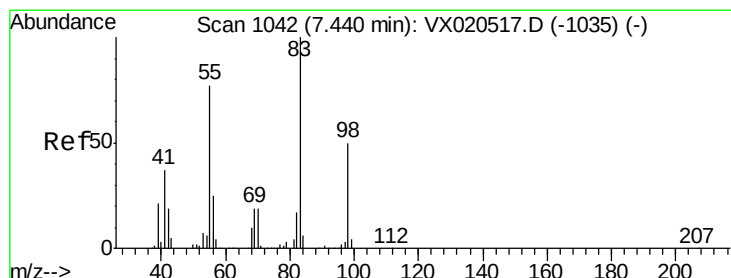
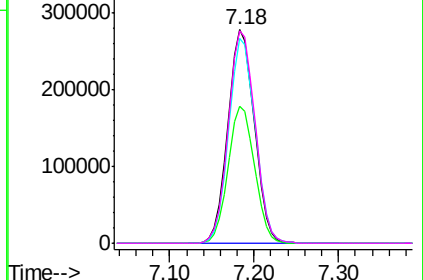
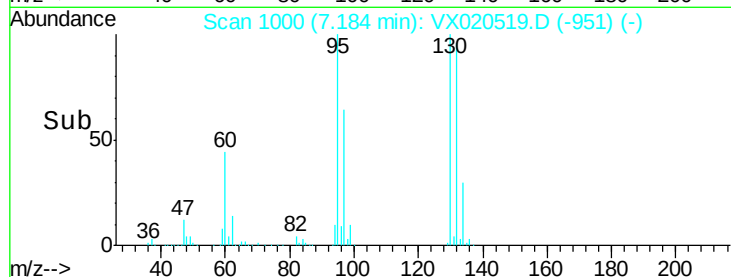


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 237.311 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

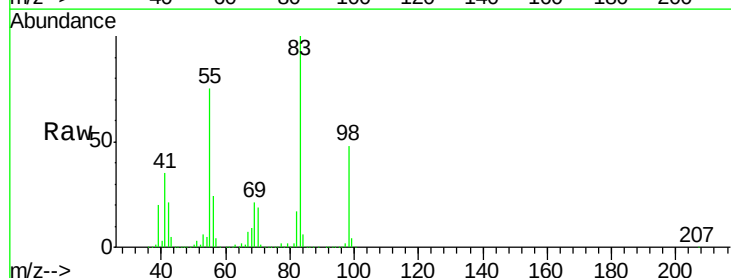
Tgt Ion: 83 Resp: 945679

Ion Ratio Lower Upper

83 100

55 75.4 61.2 91.8

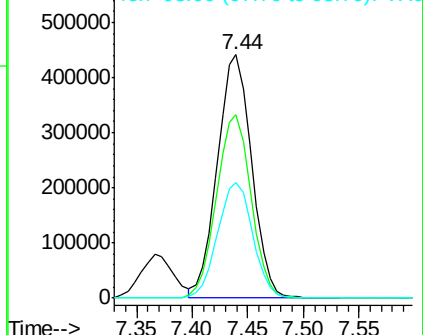
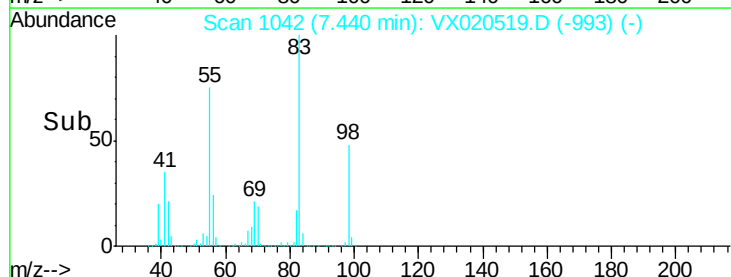
98 48.4 38.7 58.1

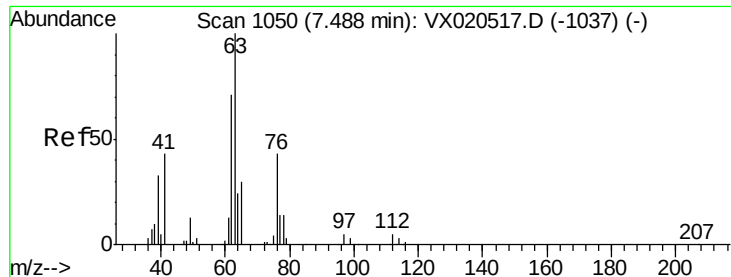


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

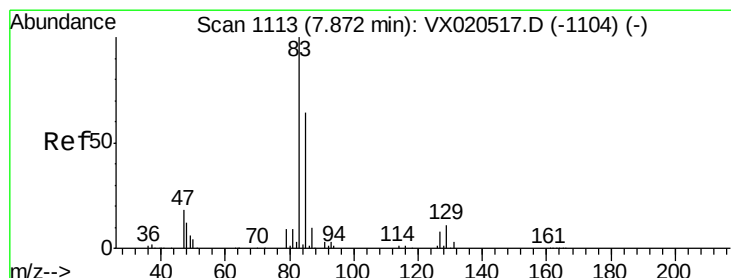
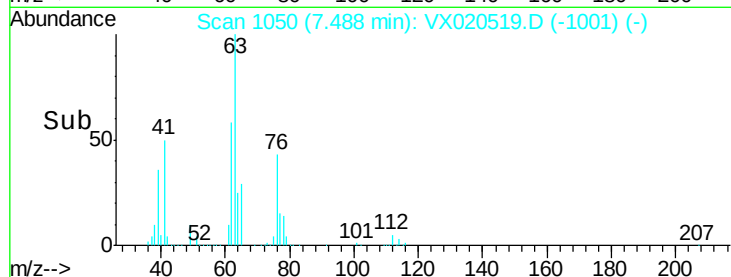
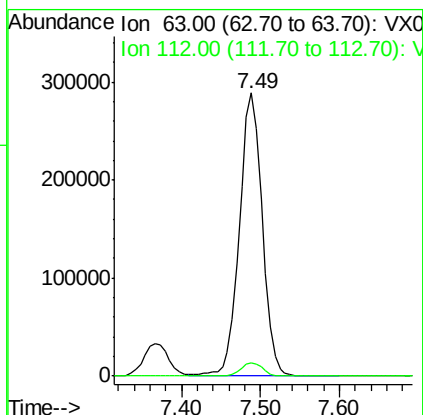
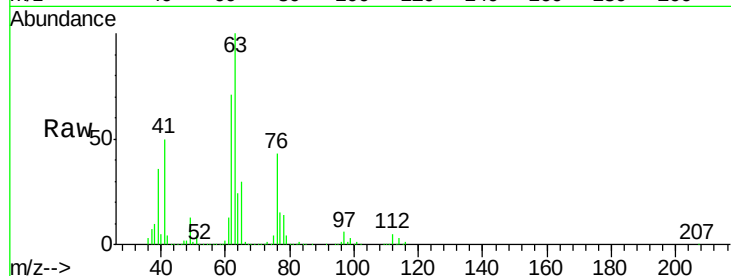




#37
 1,2-Dichloropropane
 Concen: 223.500 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

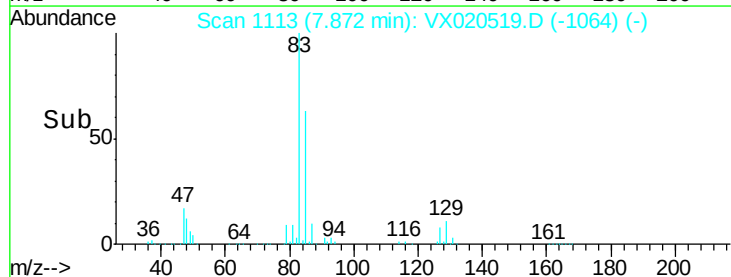
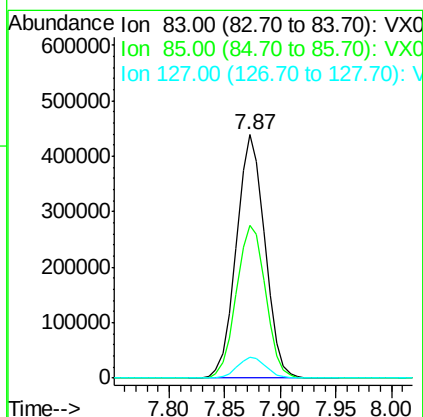
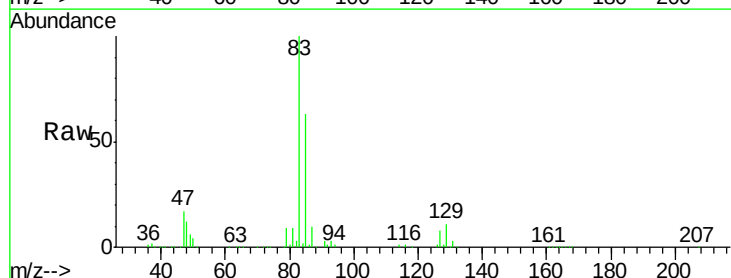
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200401

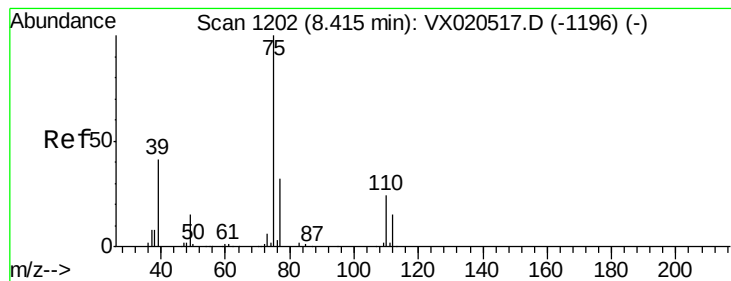
Tgt Ion: 63 Resp: 582779
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 213.646 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

Tgt Ion: 83 Resp: 779379
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.1 83.7
 127 8.4 6.6 10.0



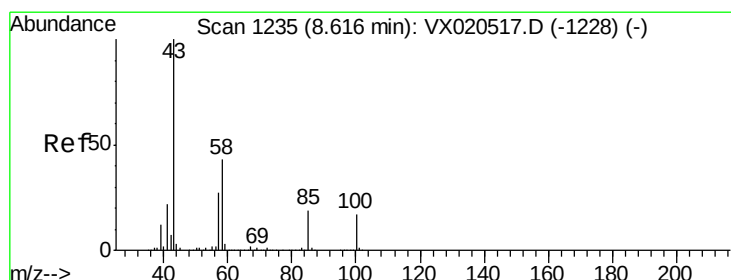
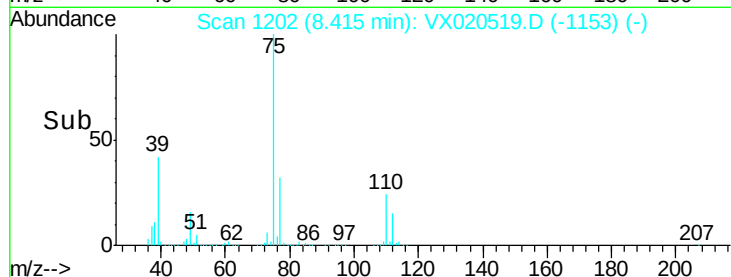
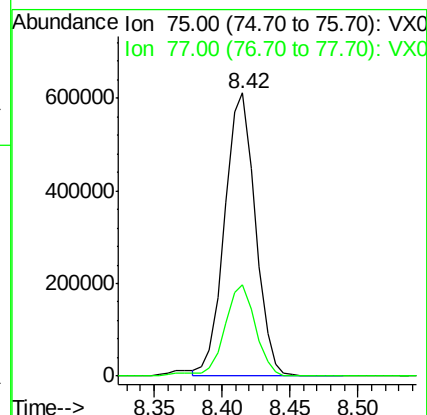
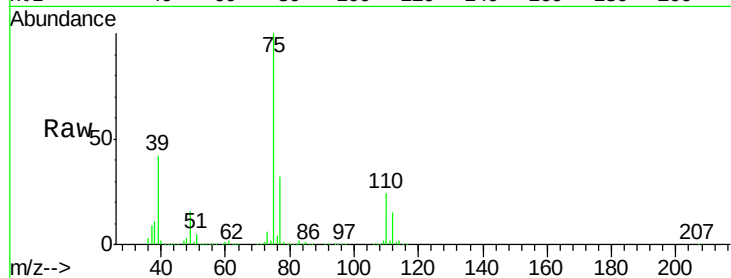


#39

cis-1,3-Dichloropropene
Concen: 230.286 ug/L
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Instrument :
MSVOA_X
ClientSampleId :
VSTD200401

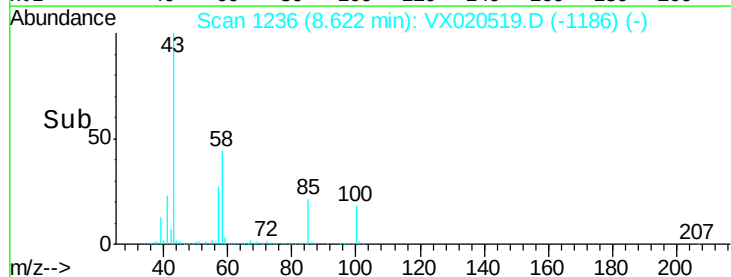
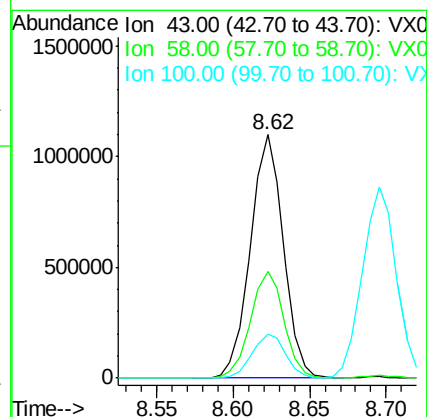
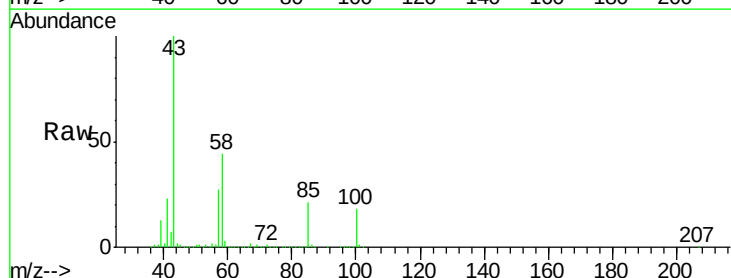
Tgt Ion: 75 Resp: 955386
Ion Ratio Lower Upper
75 100
77 32.4 22.7 42.3

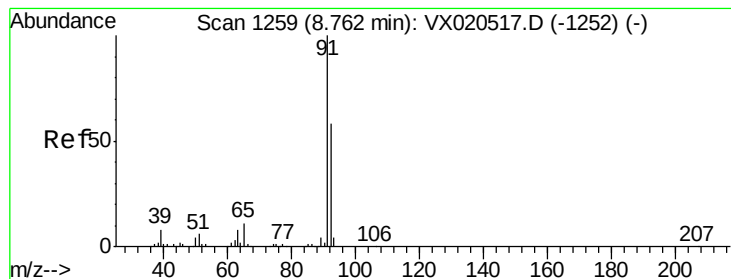


#40

4-Methyl-2-pentanone
Concen: 477.452 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Tgt Ion: 43 Resp: 1649646
Ion Ratio Lower Upper
43 100
58 44.2 35.0 52.4
100 18.4 14.2 21.4





#42

Toluene

Concen: 230.980 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

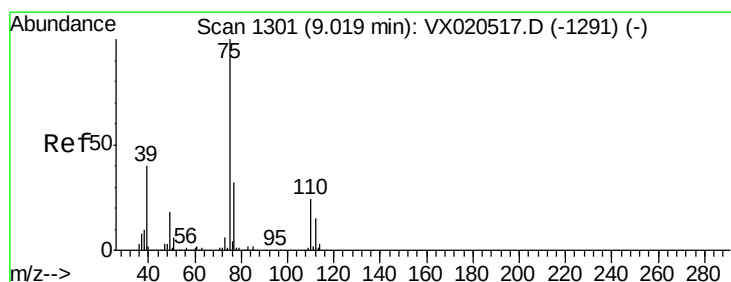
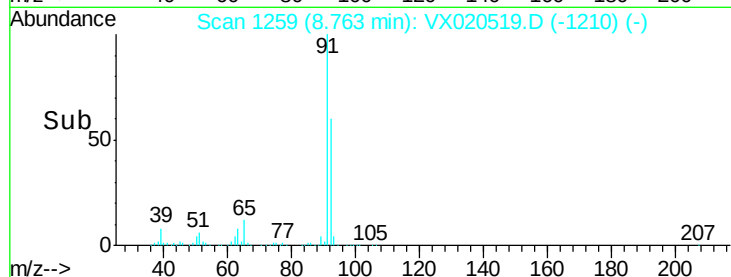
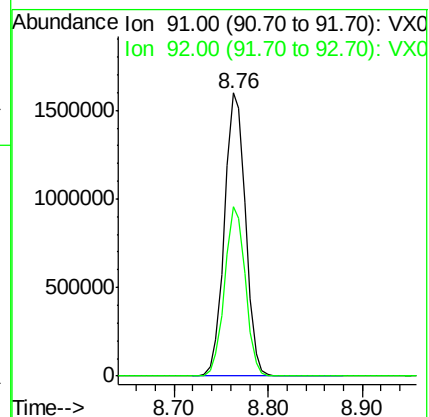
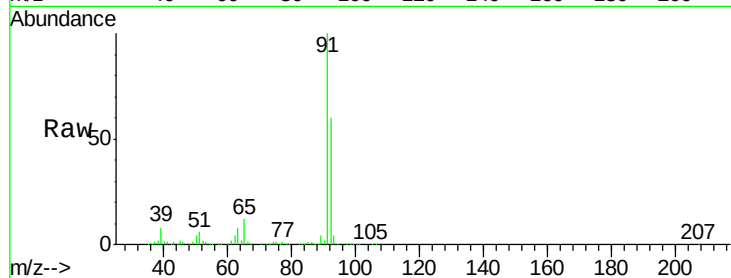
VSTD200401

Tgt Ion: 91 Resp: 2461598

Ion Ratio Lower Upper

91 100

92 59.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 224.326 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020519.D

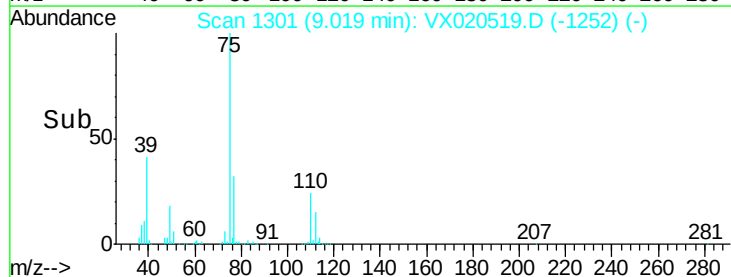
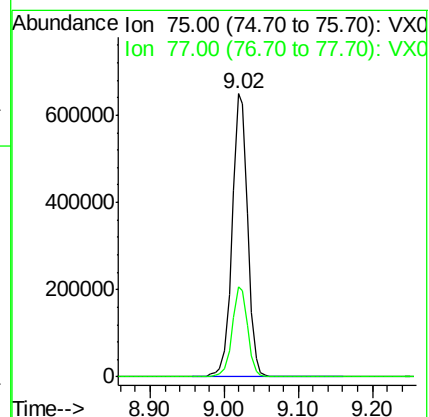
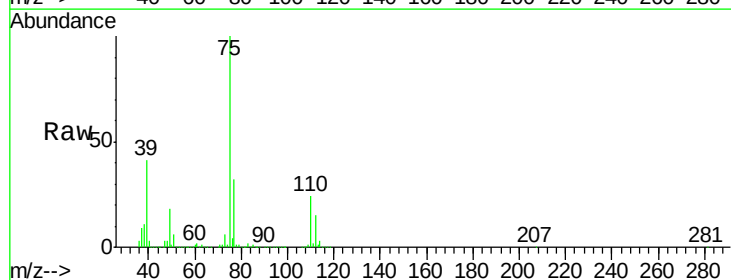
Acq: 06 Jan 2021 14:49

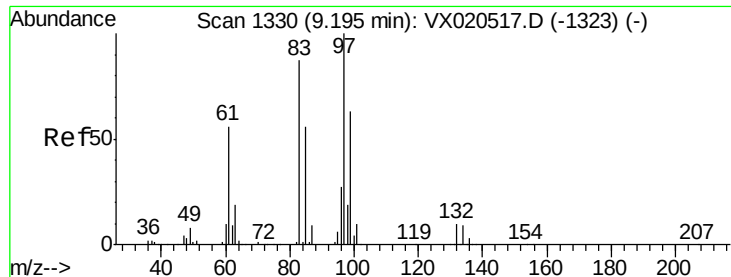
Tgt Ion: 75 Resp: 942120

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6

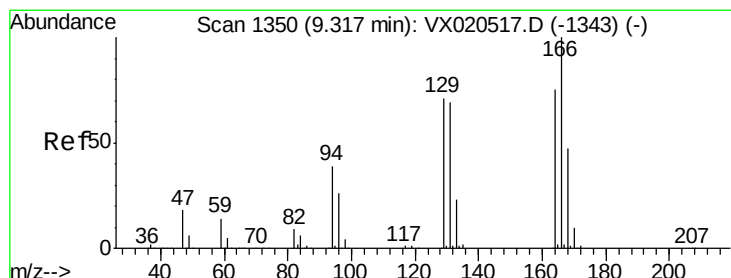
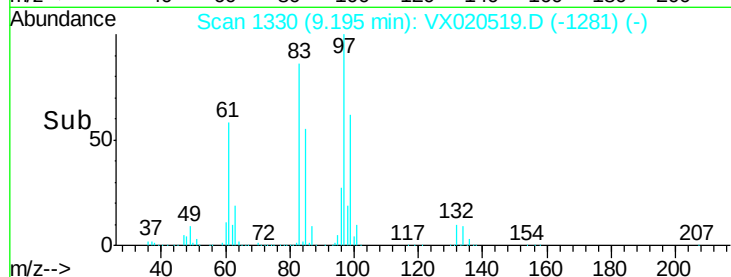
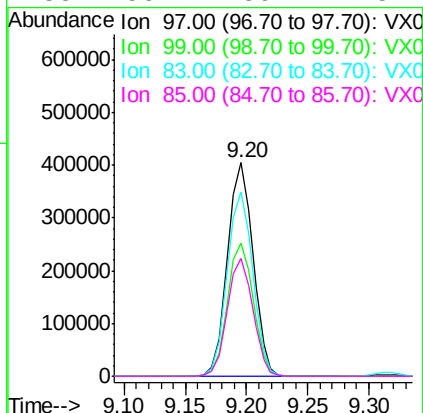
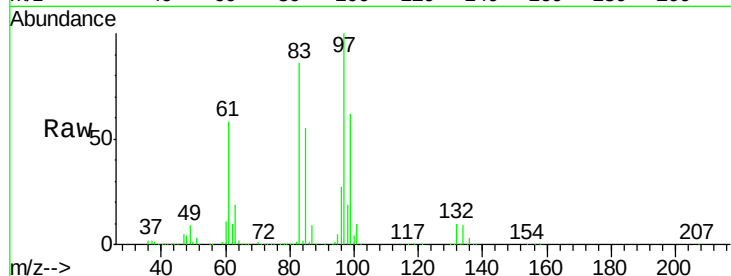




#45
 1,1,2-Trichloroethane
 Concen: 232.923 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

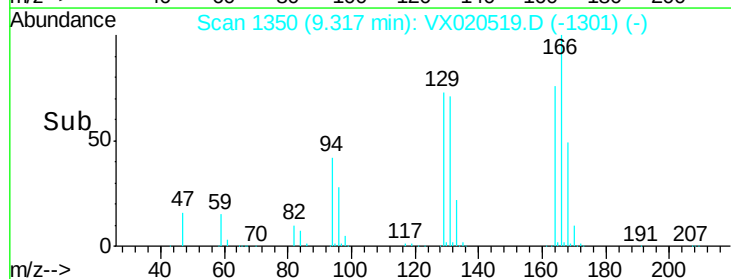
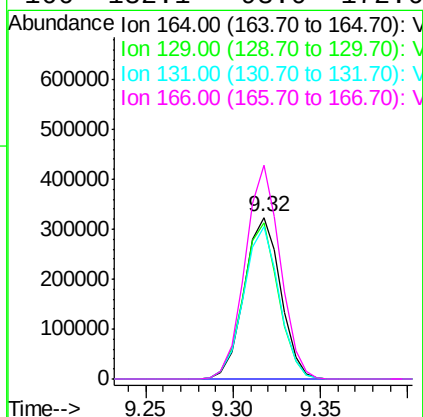
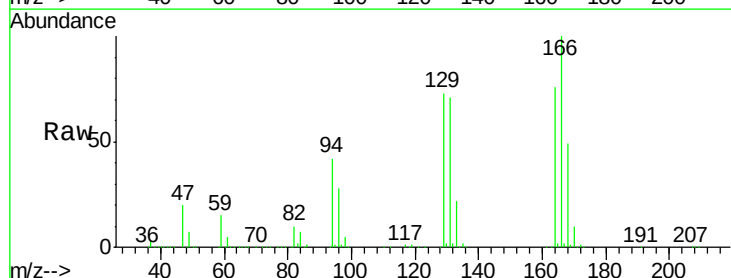
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200401

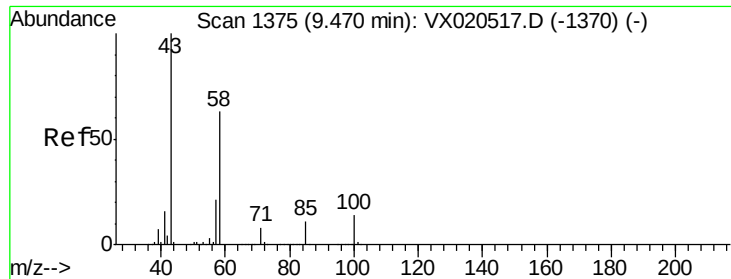
Tgt Ion:	97	Resp:	582993
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.0	81.6
83	86.1	60.8	113.0
85	55.1	39.4	73.2



#46
 Tetrachloroethene
 Concen: 212.898 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

Tgt Ion:	164	Resp:	468141
Ion	Ratio	Lower	Upper
164	100		
129	96.3	65.6	121.8
131	93.9	63.7	118.3
166	132.1	93.0	172.6



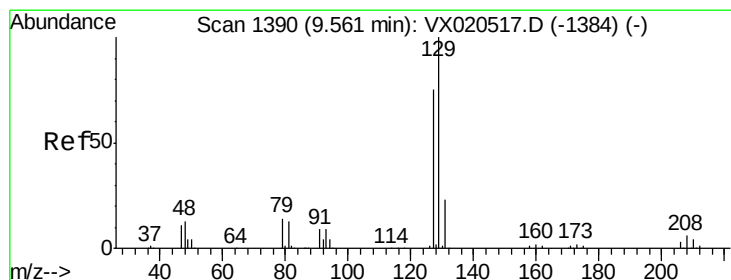
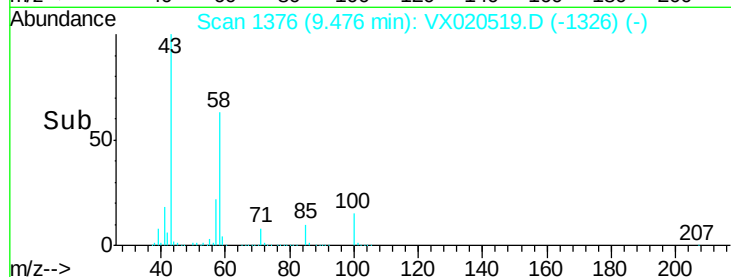
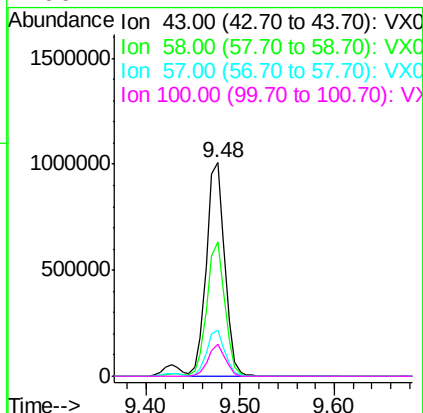
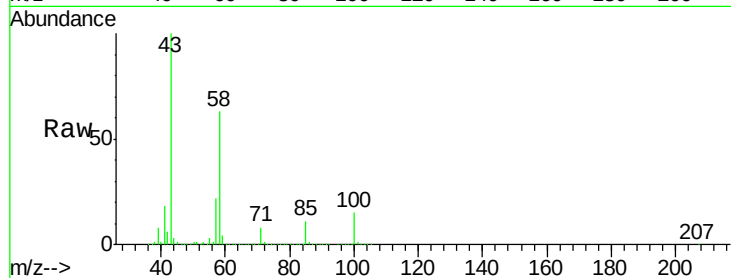


#48
2-Hexanone
Concen: 501.670 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Instrument :
MSVOA_X
ClientSampleId :
VSTD200401

Tgt Ion: 43 Resp: 1357342

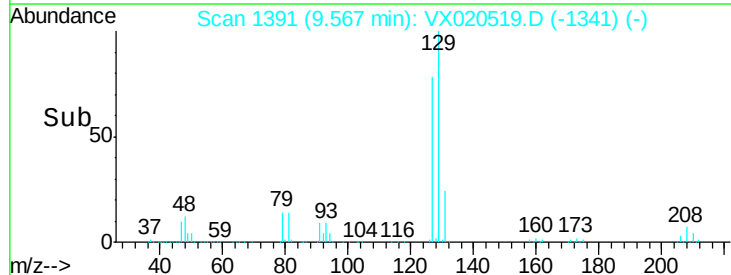
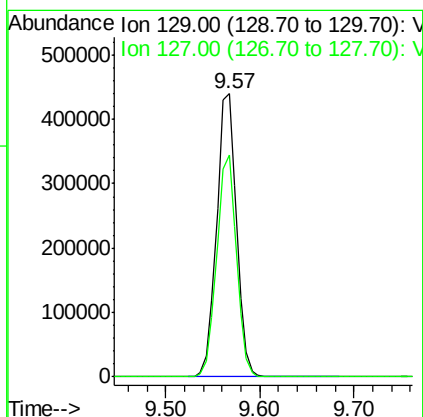
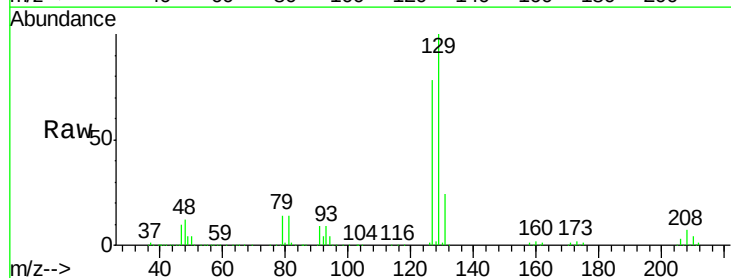
Ion	Ratio	Lower	Upper
43	100		
58	61.5	50.1	75.1
57	21.2	17.3	25.9
100	14.1	11.4	17.2

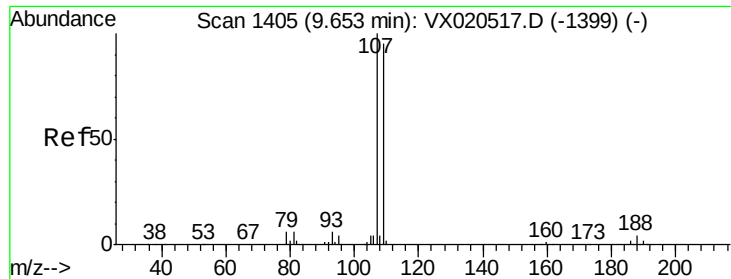


#49
Dibromochloromethane
Concen: 211.408 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Tgt Ion: 129 Resp: 643211

Ion	Ratio	Lower	Upper
129	100		
127	78.4	52.5	97.5

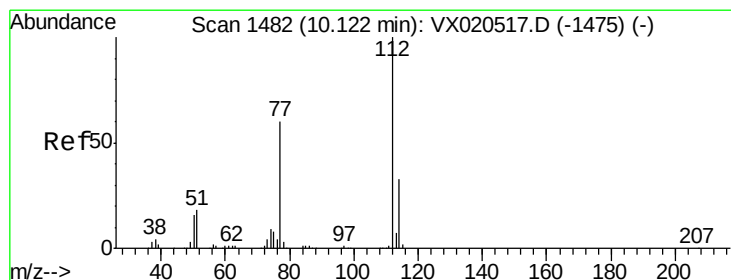
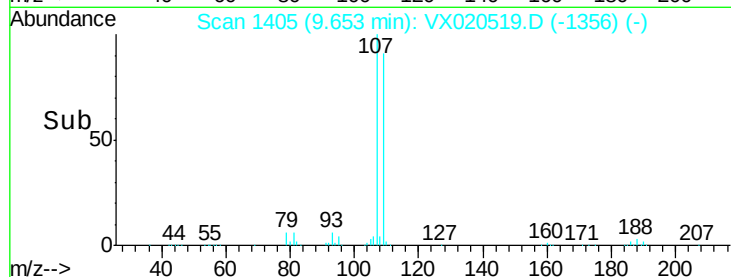
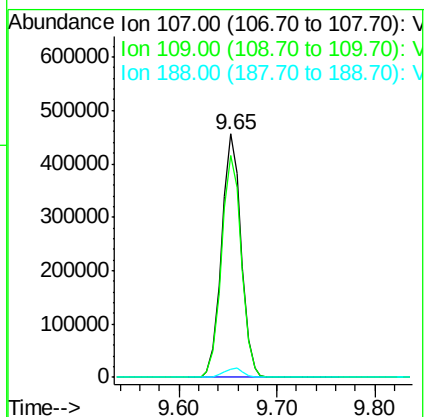
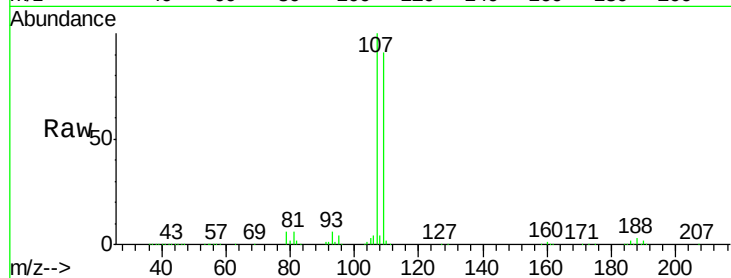




#50
1,2-Dibromoethane
Concen: 229.915 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

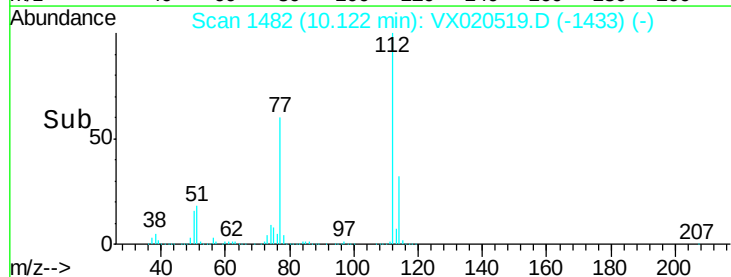
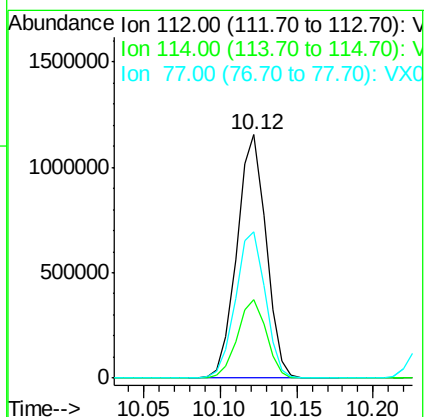
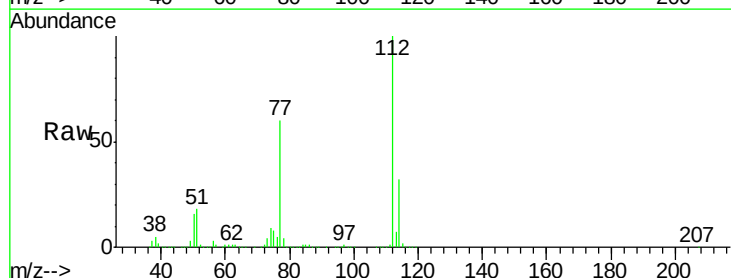
Instrument :
MSVOA_X
ClientSampleId :
VSTD200401

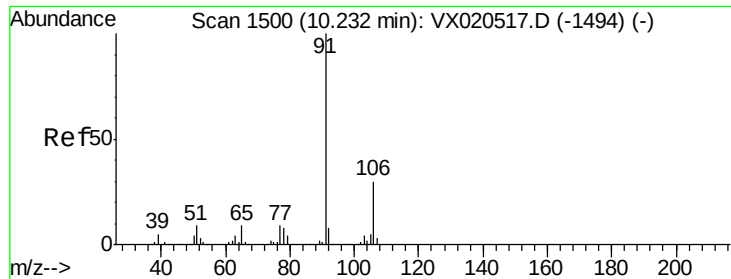
Tgt Ion:107 Resp: 628259
Ion Ratio Lower Upper
107 100
109 91.2 66.4 123.4
188 3.4 3.2 4.8



#51
Chlorobenzene
Concen: 217.610 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Tgt Ion:112 Resp: 1528562
Ion Ratio Lower Upper
112 100
114 32.5 23.2 43.2
77 60.0 48.4 72.6





#52

Ethylbenzene

Concen: 228.938 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

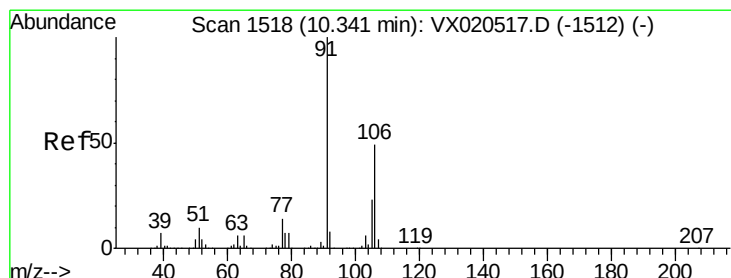
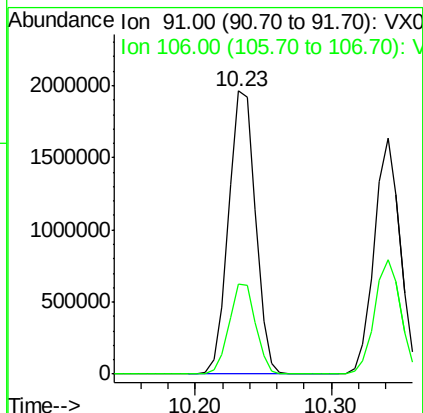
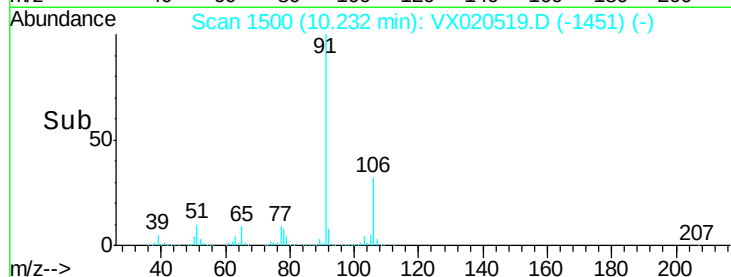
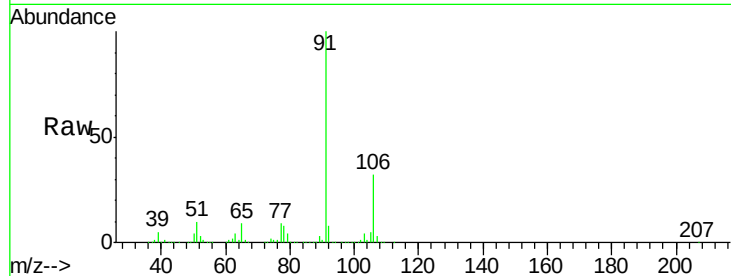
VSTD200401

Tgt Ion: 91 Resp: 2701157

Ion Ratio Lower Upper

91 100

106 32.0 21.0 39.0



#53

m,p-Xylene

Concen: 236.725 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020519.D

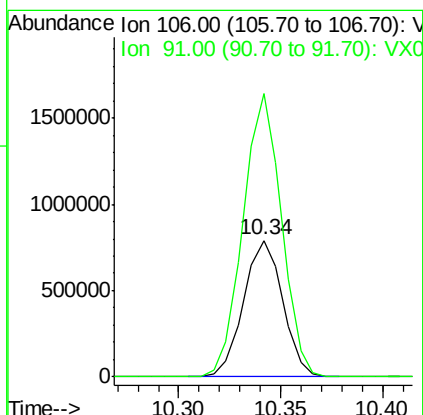
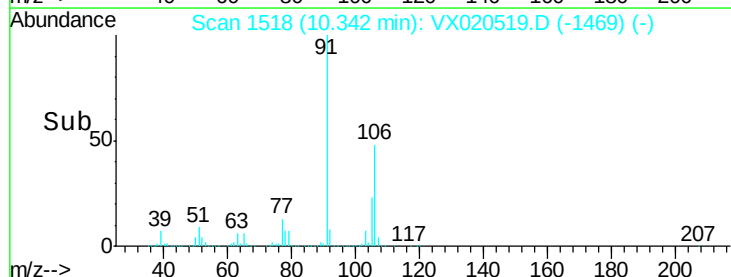
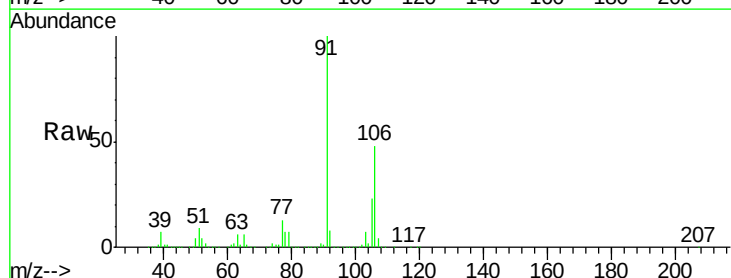
Acq: 06 Jan 2021 14:49

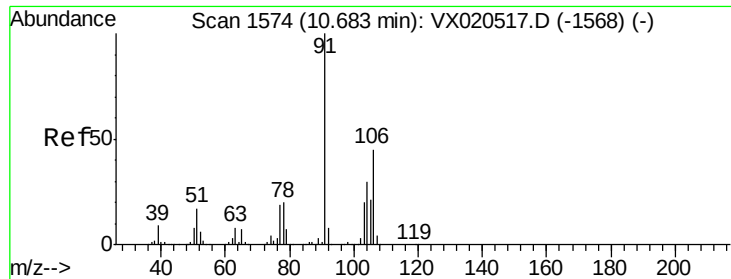
Tgt Ion: 106 Resp: 1054487

Ion Ratio Lower Upper

106 100

91 206.9 142.5 264.6

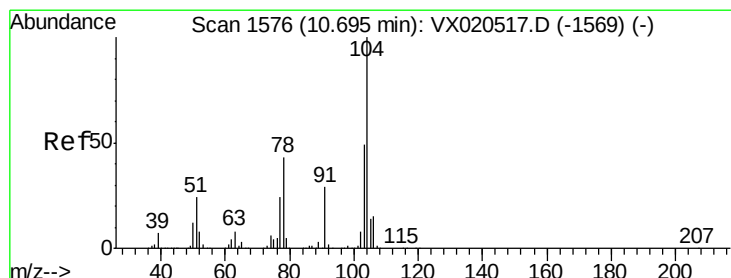
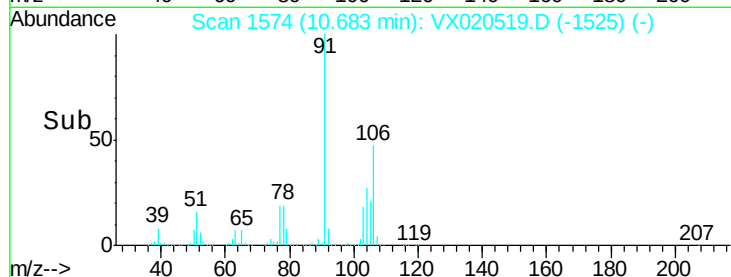
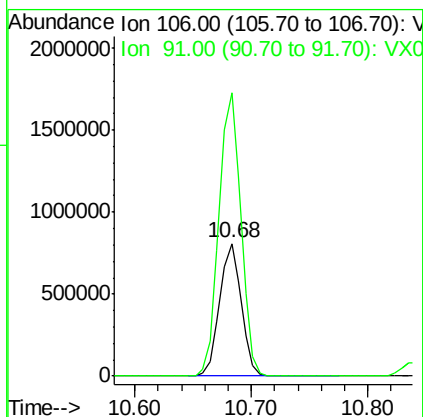
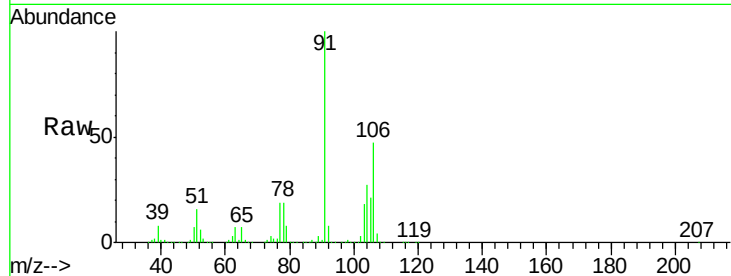




#54
o-Xylene
Concen: 241.689 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

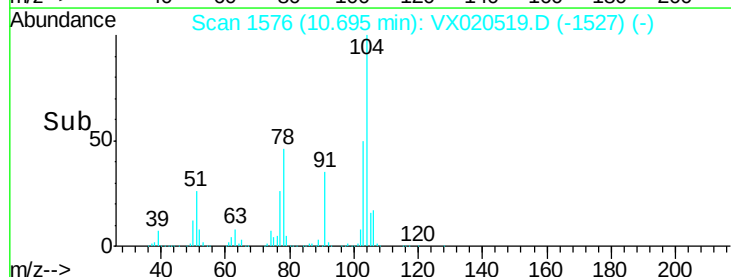
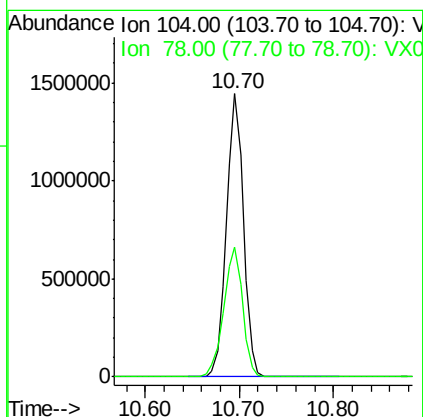
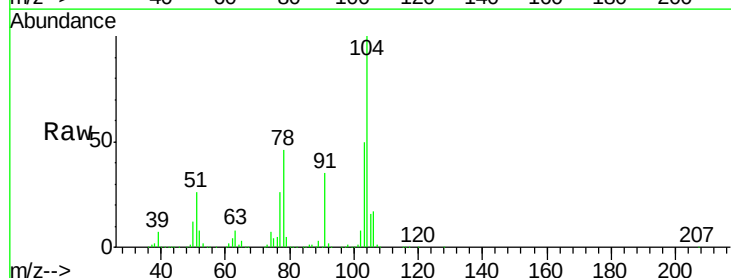
Instrument :
MSVOA_X
ClientSampled :
VSTD200401

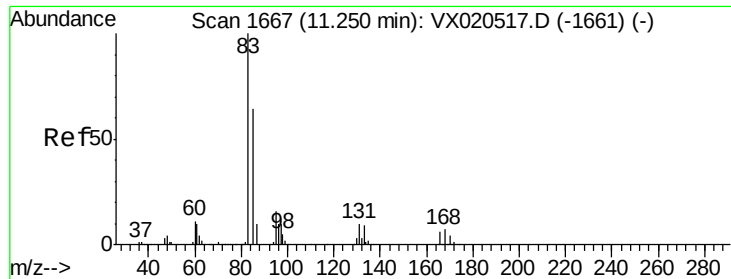
Tgt Ion:106 Resp: 1032767
Ion Ratio Lower Upper
106 100
91 213.1 156.2 290.0



#55
Styrene
Concen: 245.305 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Tgt Ion:104 Resp: 1811738
Ion Ratio Lower Upper
104 100
78 45.8 30.0 55.6

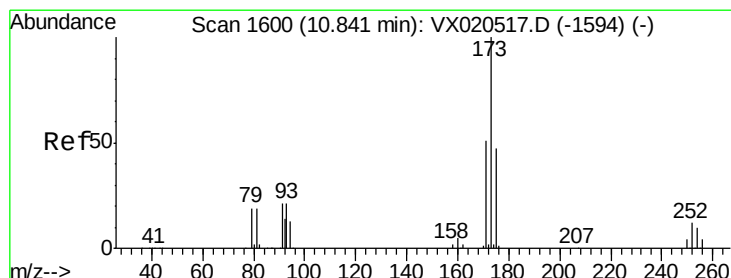
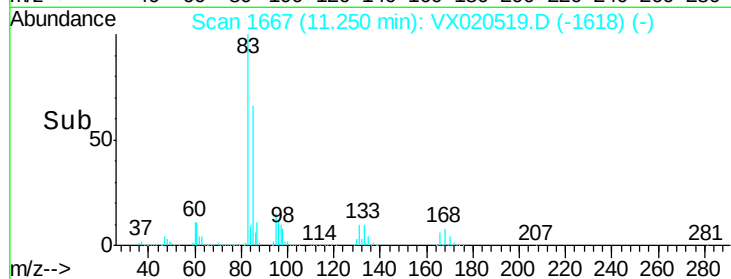
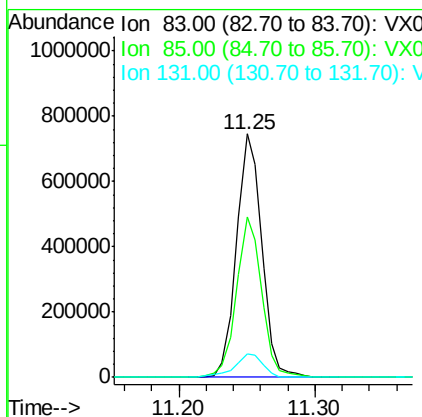
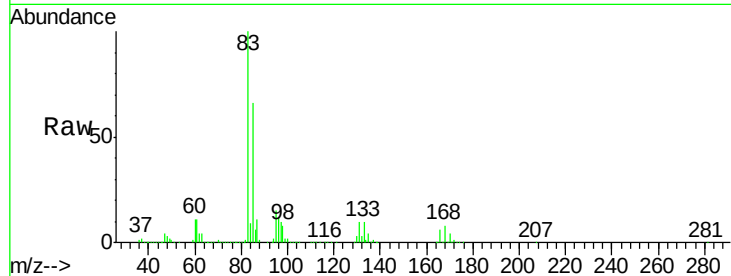




#57
 1,1,2,2-Tetrachloroethane
 Concen: 247.857 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

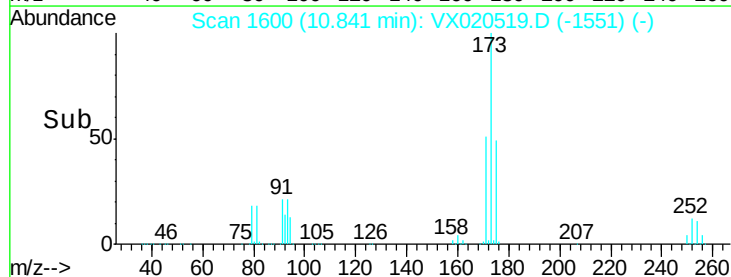
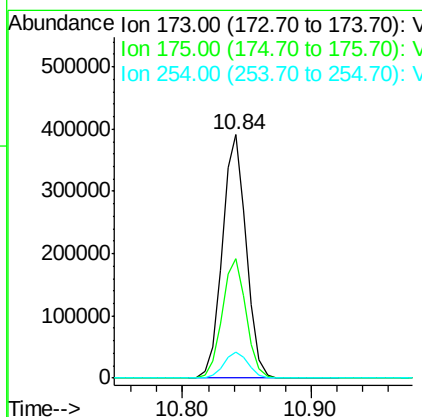
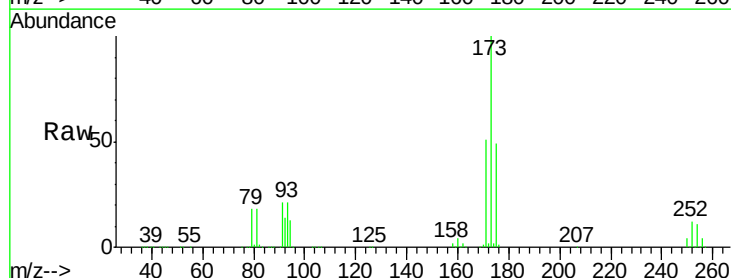
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200401

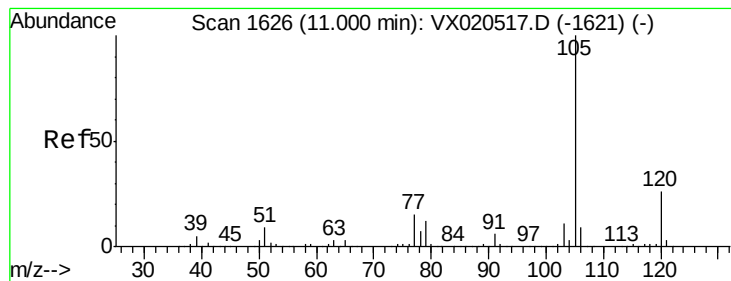
Tgt Ion: 83 Resp: 963267
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.7 82.9
 131 9.6 7.8 11.8



#59
 Bromoform
 Concen: 205.669 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

Tgt Ion: 173 Resp: 507327
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.4 59.2
 254 10.9 8.6 13.0





#60

Isopropylbenzene

Concen: 218.226 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampled :

VSTD200401

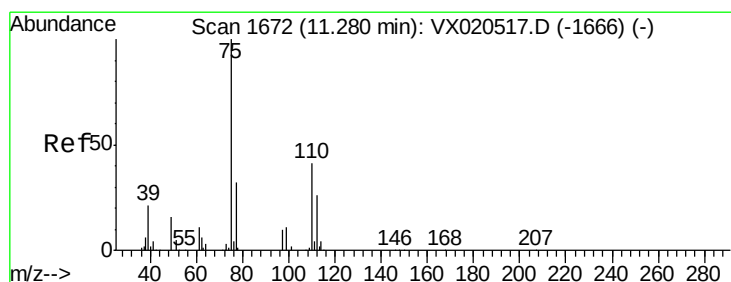
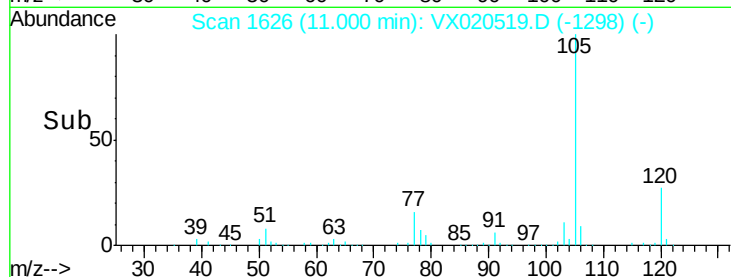
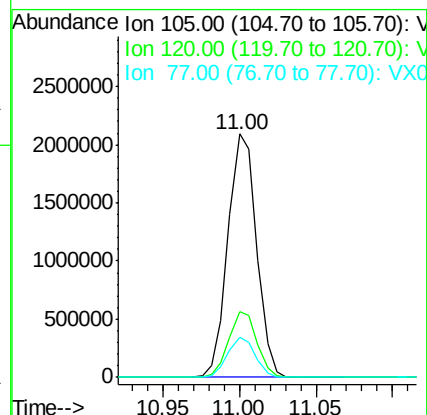
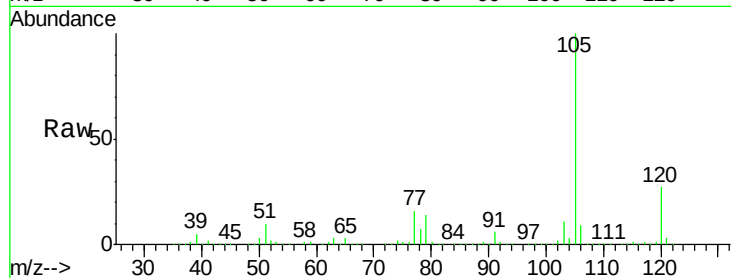
Tgt Ion:105 Resp: 2707247

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

77 15.9 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 222.047 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

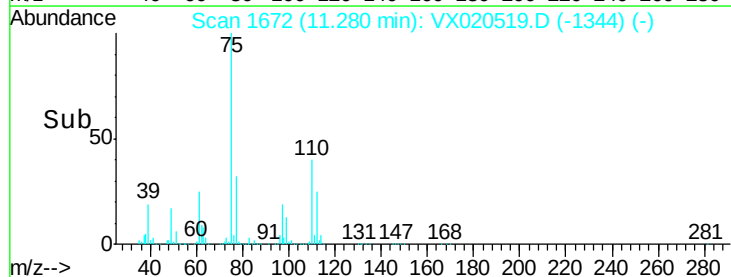
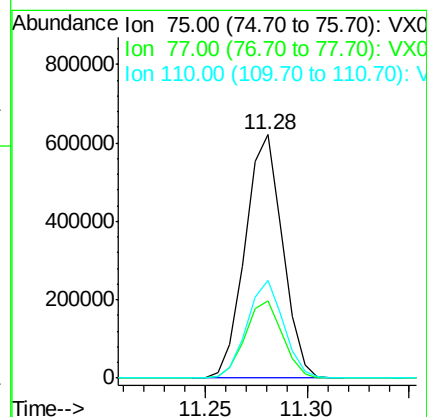
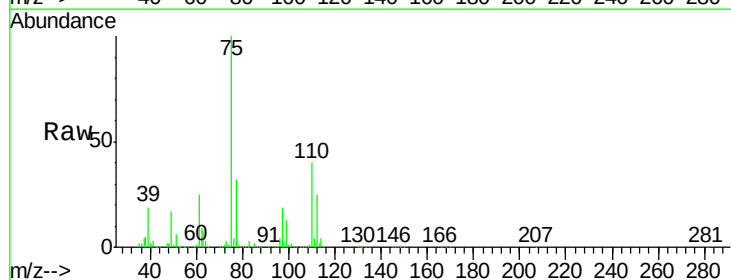
Tgt Ion: 75 Resp: 792655

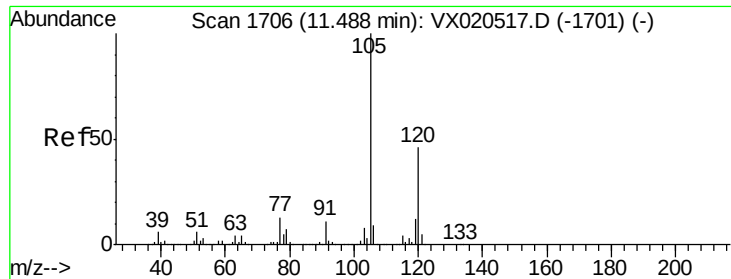
Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

110 39.3 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 230.984 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX020519.D

Acq: 06 Jan 2021 14:49

Instrument :

MSVOA_X

ClientSampleId :

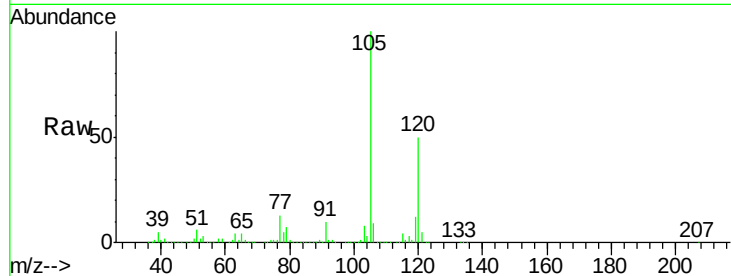
VSTD200401

Tgt Ion:105 Resp: 2375053

Ion Ratio Lower Upper

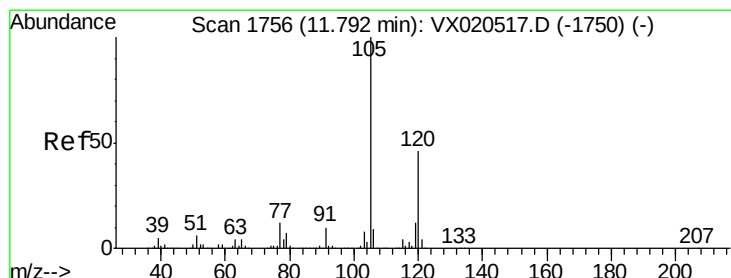
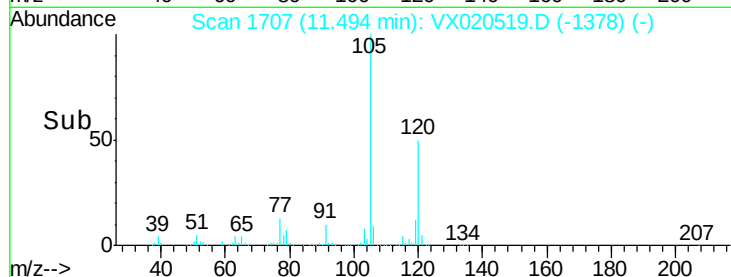
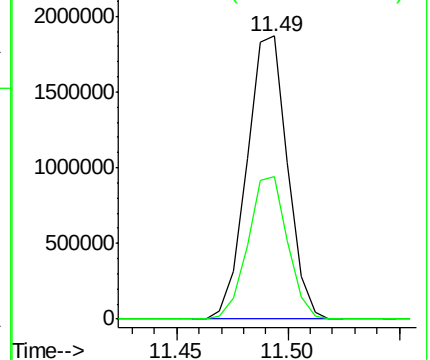
105 100

120 49.3 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 231.311 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX020519.D

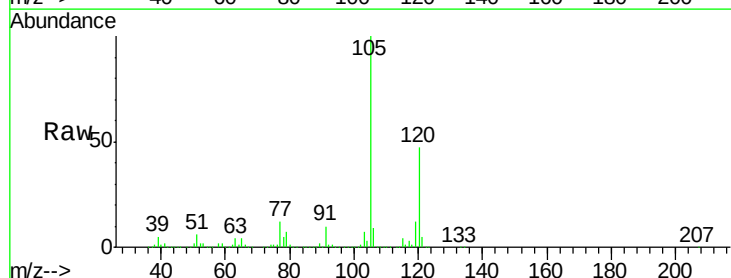
Acq: 06 Jan 2021 14:49

Tgt Ion:105 Resp: 2406458

Ion Ratio Lower Upper

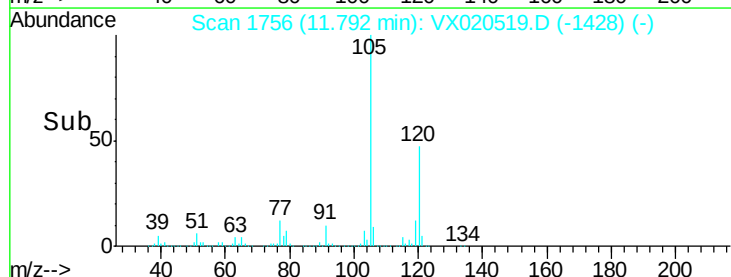
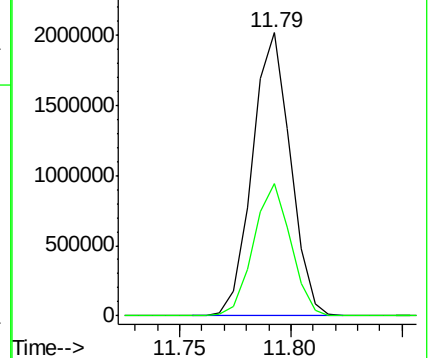
105 100

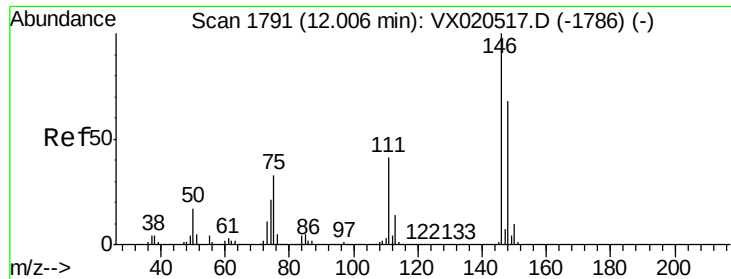
120 45.8 36.4 54.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

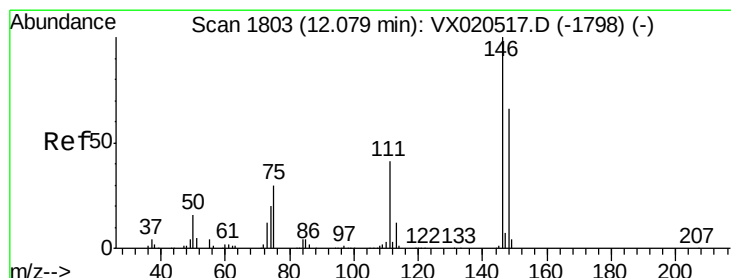
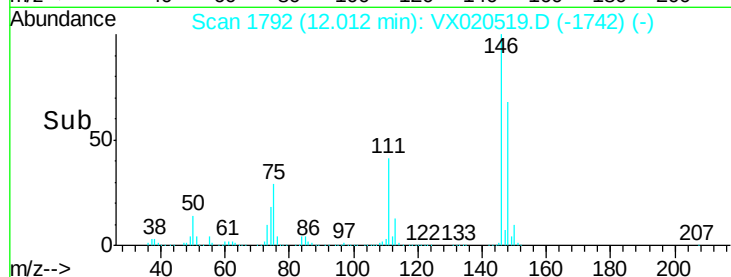
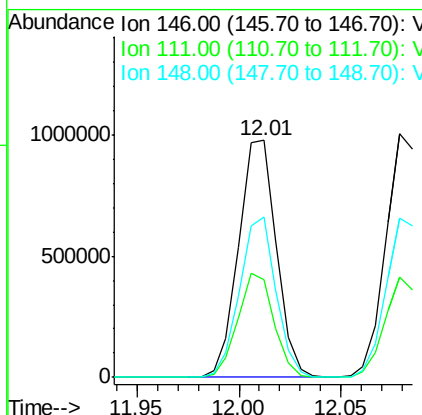
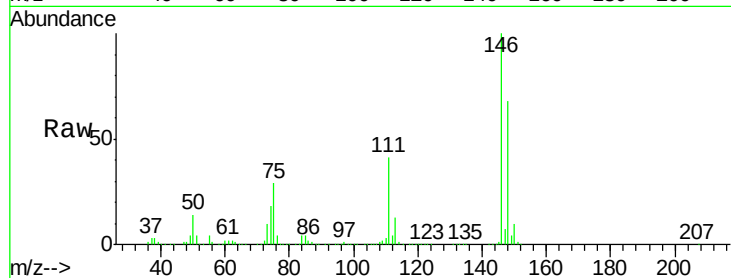




#64
 1,3-Dichlorobenzene
 Concen: 208.692 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

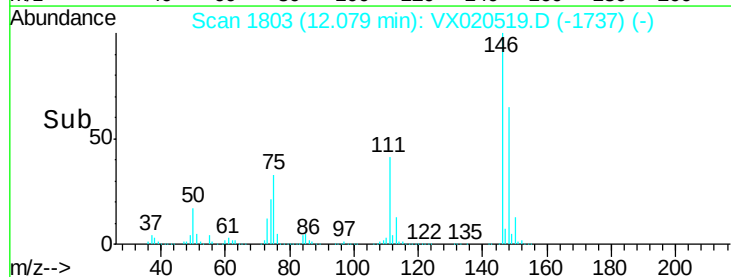
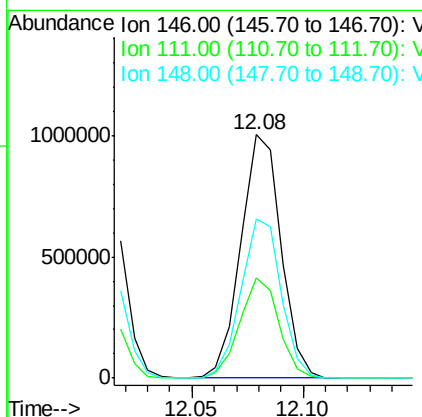
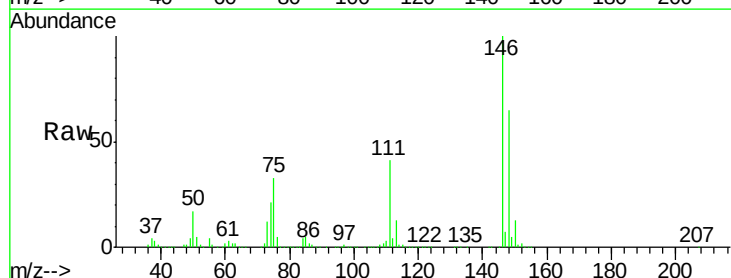
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD200401

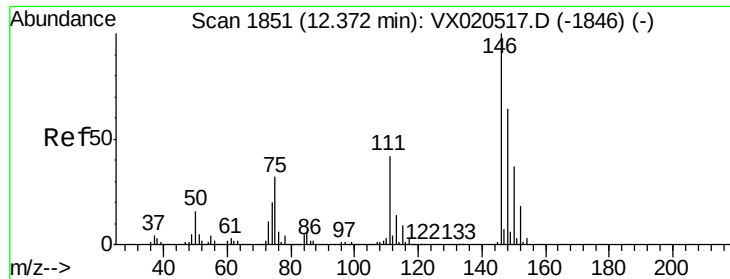
Tgt Ion:146 Resp: 1260916
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.9 53.7
 148 67.7 47.7 88.7



#65
 1,4-Dichlorobenzene
 Concen: 206.788 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

Tgt Ion:146 Resp: 1261691
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.7 53.3
 148 65.2 45.8 85.2

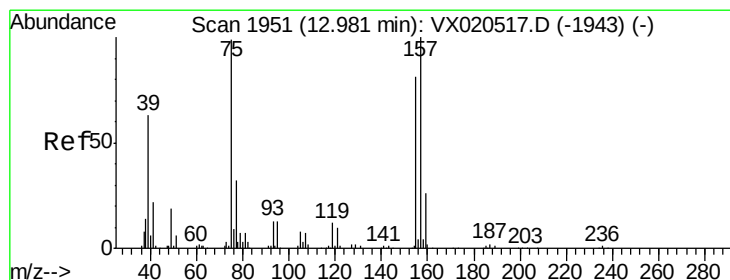
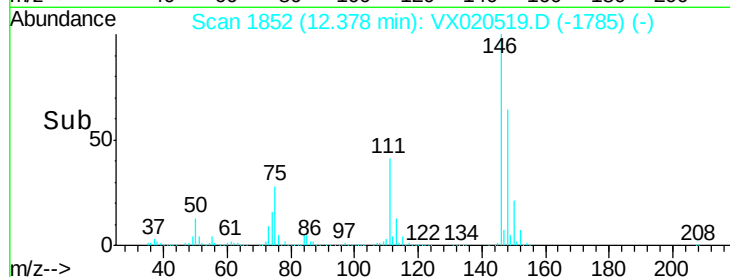
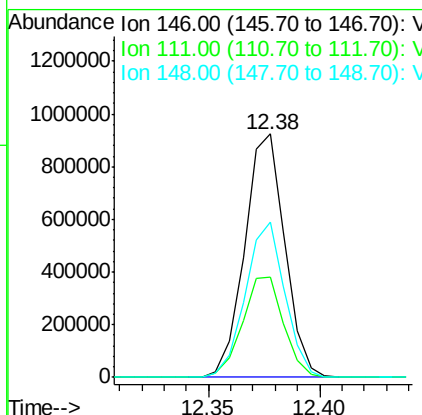
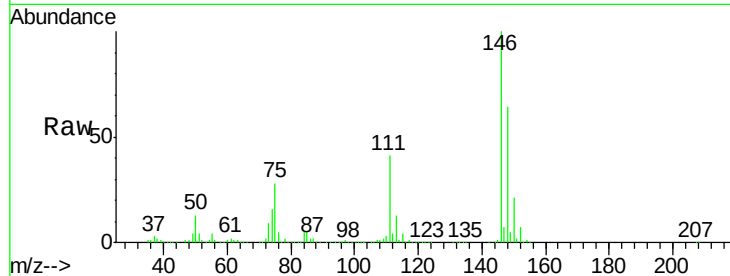




#67
 1,2-Dichlorobenzene
 Concen: 197.440 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

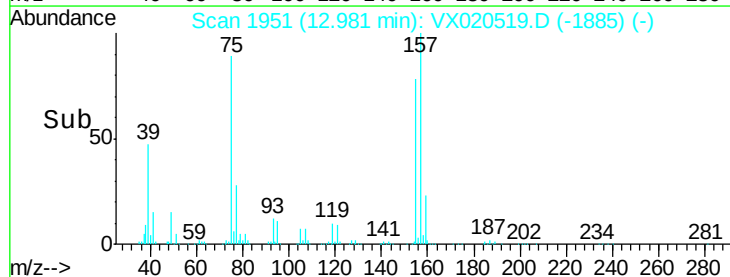
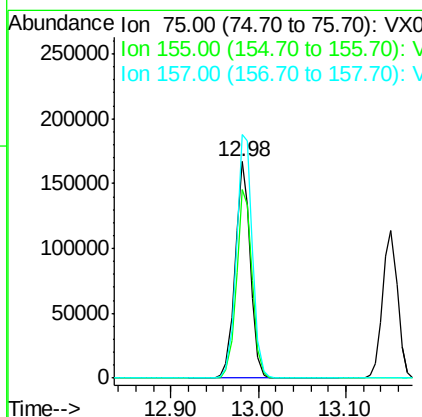
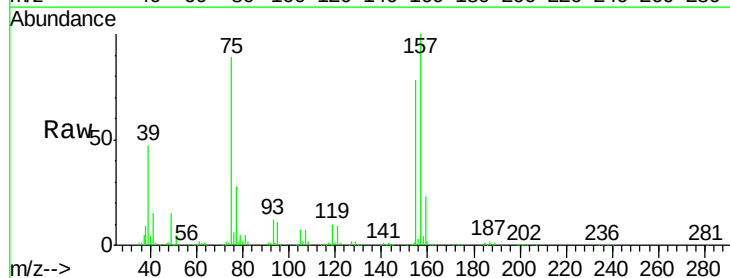
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200401

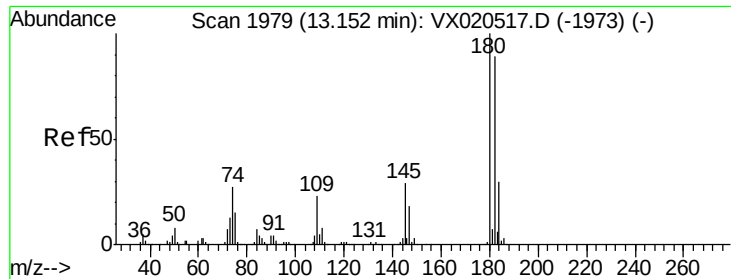
Tgt Ion:146 Resp: 1161792
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.8 50.8
 148 64.0 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 199.129 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

Tgt Ion: 75 Resp: 203596
 Ion Ratio Lower Upper
 75 100
 155 87.4 65.3 97.9
 157 112.6 80.5 120.7

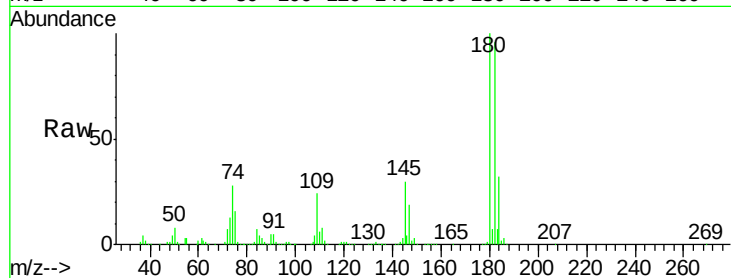




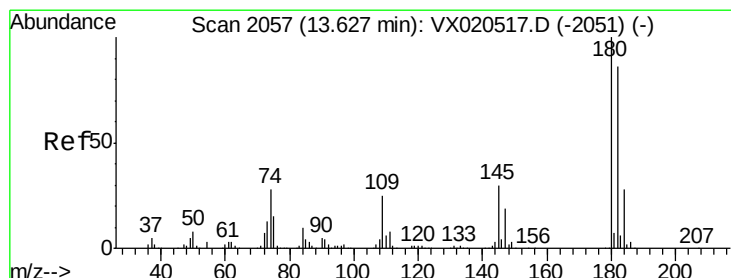
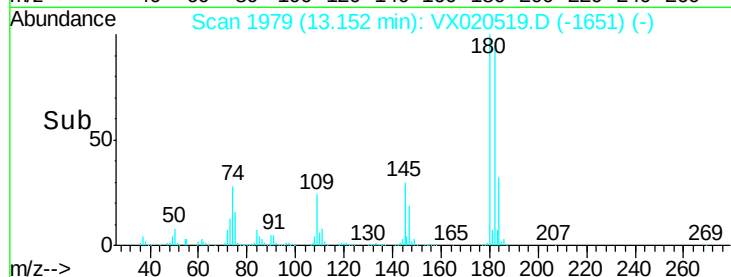
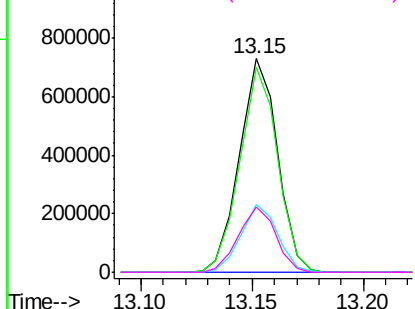
#69
 1,3,5-Trichlorobenzene
 Concen: 213.020 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

Instrument :
 MSVOA_X
 ClientSampled :
 VSTD200401

Tgt Ion:180 Resp: 872507
 Ion Ratio Lower Upper
 180 100
 182 94.8 74.8 112.2
 184 30.8 24.1 36.1
 145 30.1 23.7 35.5

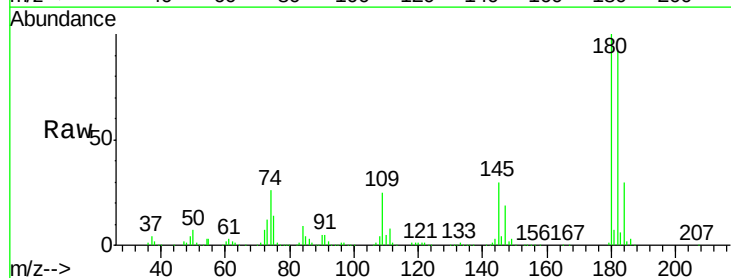


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

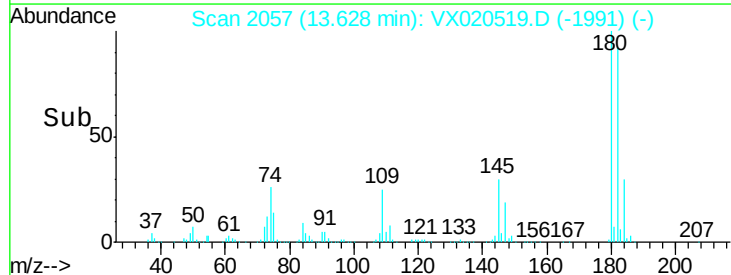
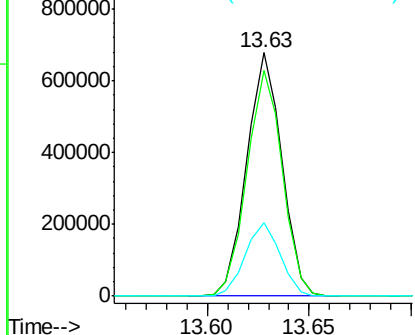


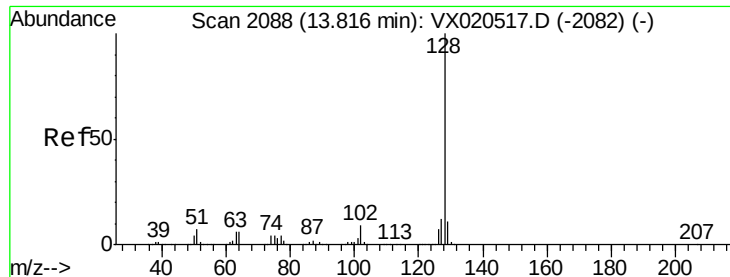
#70
 1,2,4-trichlorobenzene
 Concen: 219.401 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020519.D
 Acq: 06 Jan 2021 14:49

Tgt Ion:180 Resp: 812896
 Ion Ratio Lower Upper
 180 100
 182 93.2 74.3 111.5
 145 30.0 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

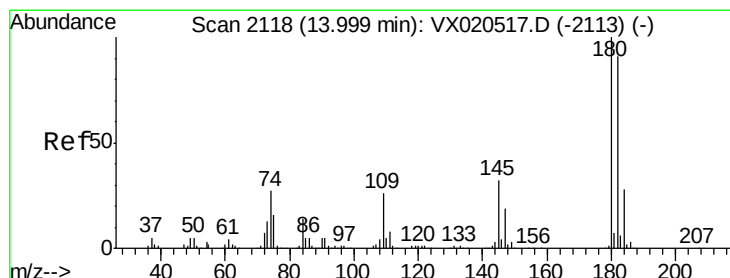
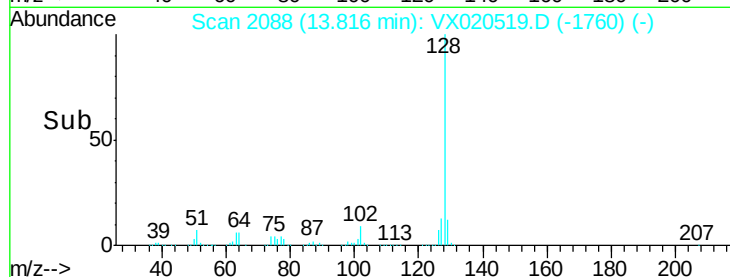
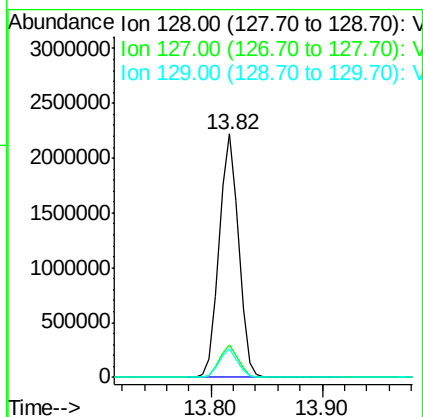
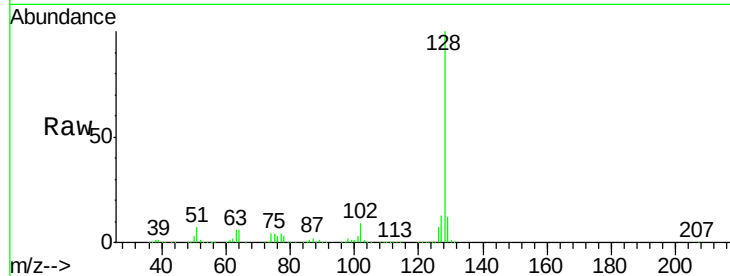




#71
Naphthalene
Concen: 228.609 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Instrument :
MSVOA_X
ClientSampleId :
VSTD200401

Tgt Ion:128 Resp: 2678435
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.2 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 218.035 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX020519.D
Acq: 06 Jan 2021 14:49

Tgt Ion:180 Resp: 808594
Ion Ratio Lower Upper
180 100
182 94.3 74.6 112.0
145 31.6 25.6 38.4

