

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051223\
 Data File : VN077665.D
 Acq On : 12 May 2023 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: May 15 01:36:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.812	128	106139	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	627207	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	563561	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	218423	28.616	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.400%
60) 4-Bromofluorobenzene	12.853	95	256997	28.679	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.600%
63) Toluene-d8	10.571	98	756208	29.052	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.833%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	126164	18.105	ug/l	98
3) Chloromethane	2.359	50	100108	18.903	ug/l	99
4) Vinyl Chloride	2.512	62	132599	16.272	ug/l	96
5) Bromomethane	2.959	94	101539	18.693	ug/l	99
6) Chloroethane	3.124	64	79333	14.901	ug/l	97
7) Trichlorofluoromethane	3.512	101	205999	18.587	ug/l	95
8) Diethyl Ether	3.959	74	70380	20.149	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	116951	19.550	ug/l	79
10) 1,1-Dichloroethene	4.347	96	110515	19.543	ug/l	88
11) Methyl Iodide	4.595	142	162632	18.490	ug/l	87
12) Methyl Acetate	5.024	43	156268	22.860	ug/l #	87
13) Acrolein	4.177	56	92212	110.124	ug/l	95
14) Acrylonitrile	5.718	53	232318	111.723	ug/l	99
15) Acetone	4.430	58	72969	115.621	ug/l	80
16) Carbon Disulfide	4.724	76	245398	18.065	ug/l	97
17) Allyl chloride	5.030	41	117304	19.983	ug/l	95
18) Methylene Chloride	5.277	84	127063	18.488	ug/l	88
19) trans-1,2-Dichloroethene	5.794	96	123588	19.426	ug/l	97
20) Diisopropyl ether	6.671	45	282586	19.793	ug/l #	90
21) 1,1-Dichloroethane	6.571	63	199655	19.065	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	145252	18.948	ug/l	93
23) tert-Butyl Alcohol	5.500	59	85941	105.501	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	360053	18.810	ug/l	98
25) Chloroform	7.971	83	234909	18.819	ug/l	98
26) Cyclohexane	8.259	56	155484	18.086	ug/l #	96
29) 1,1-Dichloropropene	8.377	75	164250	18.191	ug/l	95
30) 2-Butanone	7.483	43	292596	121.574	ug/l	96
31) 2,2-Dichloropropane	7.488	77	175876	16.719	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	208746	17.863	ug/l	97
33) Carbon Tetrachloride	8.365	117	184526	18.672	ug/l	92
34) Benzene	8.606	78	516418	18.942	ug/l	98
35) Methacrylonitrile	7.783	41	58544	21.431	ug/l	92
36) 1,2-Dichloroethane	8.671	62	168749	18.565	ug/l	95
37) Trichloroethene	9.353	130	140949	19.999	ug/l	91
38) Methylcyclohexane	9.606	83	202055	17.380	ug/l	96
39) 1,2-Dichloropropane	9.624	63	115739	18.336	ug/l	93
40) Dibromomethane	9.712	93	92471	18.582	ug/l	86
41) Bromodichloromethane	9.894	83	178318	17.795	ug/l	99
42) Vinyl Acetate	6.606	43	769284	86.169	ug/l	95

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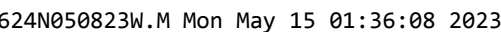
Instrument :
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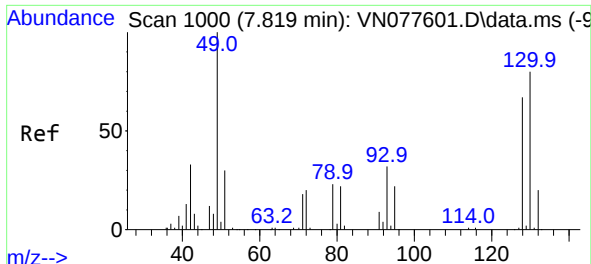
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	112061	21.665	ug/l #	89
44) Isopropyl Acetate	8.694	43	187475	19.796	ug/l	92
45) 1,4-Dioxane	9.700	88	45277	384.608	ug/l #	96
46) Methyl methacrylate	9.682	41	91928	21.614	ug/l	91
47) n-amyl Acetate	12.500	43	148290	18.181	ug/l	94
48) t-1,3-Dichloropropene	10.841	75	168197	16.649	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	191037	17.253	ug/l	98
50) 1,1,2-Trichloroethane	11.024	97	137177	19.141	ug/l	90
51) Ethyl methacrylate	10.876	69	177111	19.145	ug/l	94
52) 1,3-Dichloropropane	11.165	76	214149	18.481	ug/l	99
53) Dibromochloromethane	11.365	129	141773	19.014	ug/l	100
54) 1,2-Dibromoethane	11.476	107	139534	19.601	ug/l	96
55) 2-Chloroethyl vinyl ether	10.165	63	402227	96.147	ug/l	97
56) Bromoform	12.582	173	97069	22.125	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	587515	113.206	ug/l	97
59) 2-Hexanone	11.200	43	427949	114.232	ug/l	96
61) Tetrachloroethene	11.106	164	119799	21.977	ug/l	95
62) Toluene	10.635	91	582544	18.671	ug/l	100
64) Chlorobenzene	11.894	112	371329	19.352	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	139185	20.107	ug/l	97
66) Ethyl Benzene	11.971	91	636330	18.406	ug/l	98
67) m/p-Xylenes	12.076	106	514767	37.845	ug/l	93
68) o-Xylene	12.400	106	252416	18.831	ug/l	92
69) Styrene	12.418	104	397339	18.538	ug/l	96
70) Isopropylbenzene	12.700	105	645290	18.534	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	180632	19.346	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	206723	26.609	ug/l	72
73) Bromobenzene	12.988	156	157020	21.568	ug/l	78
74) n-propylbenzene	13.041	91	712753	18.309	ug/l	97
75) 2-Chlorotoluene	13.129	91	431306	18.319	ug/l	95
76) 1,3,5-Trimethylbenzene	13.176	105	477203	17.343	ug/l	95
77) t-1,4-Dichloro-2-butene	12.741	75	42765	15.801	ug/l	96
78) 4-Chlorotoluene	13.229	91	416082	18.099	ug/l	95
79) tert-butylbenzene	13.447	119	474623	19.260	ug/l	91
80) 1,2,4-Trimethylbenzene	13.488	105	425846	15.947	ug/l	94
81) sec-Butylbenzene	13.623	105	650260	18.799	ug/l	96
82) p-Isopropyltoluene	13.735	119	492375	17.891	ug/l	96
83) 1,3-Dichlorobenzene	13.741	146	273655	20.242	ug/l	97
84) 1,4-Dichlorobenzene	13.817	146	261177	19.735	ug/l	97
85) n-Butylbenzene	14.065	91	346050	15.284	ug/l	97
86) Hexachloroethane	14.341	117	90426	17.630	ug/l	69
87) 1,2-Dichlorobenzene	14.112	146	267891	20.414	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.729	75	29195	17.207	ug/l #	73
89) 1,2,4-Trichlorobenzene	15.400	180	58377	12.912	ug/l	97
90) Hexachlorobutadiene	15.511	225	67336	26.412	ug/l	95
91) Naphthalene	15.647	128	162867	10.545	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	50823	12.206	ug/l	95

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

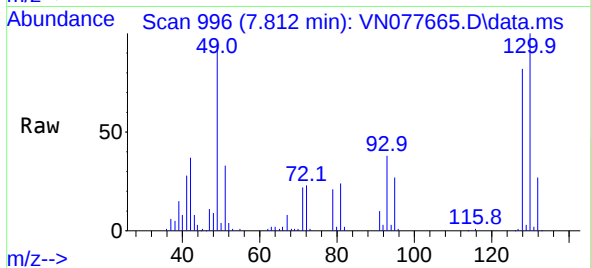
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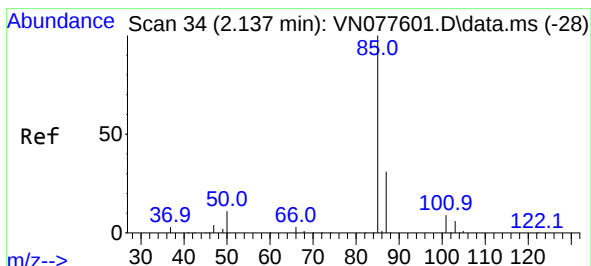
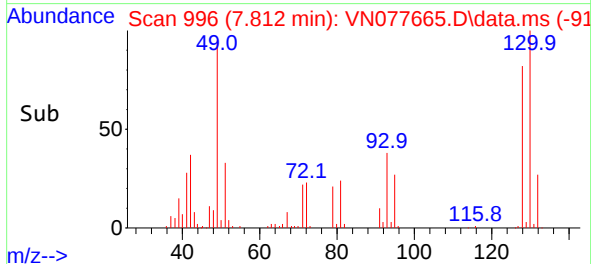
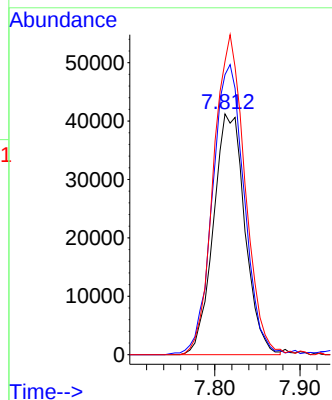


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.007 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

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VSTDCCC020

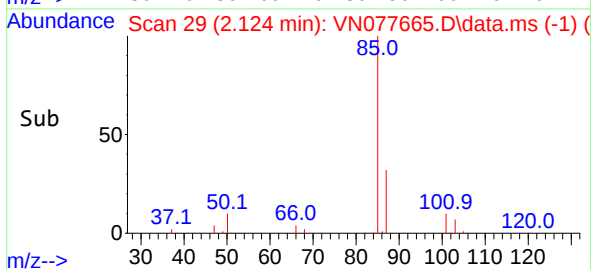
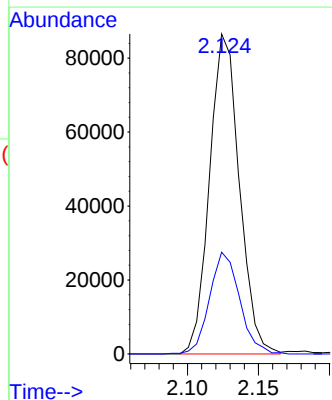
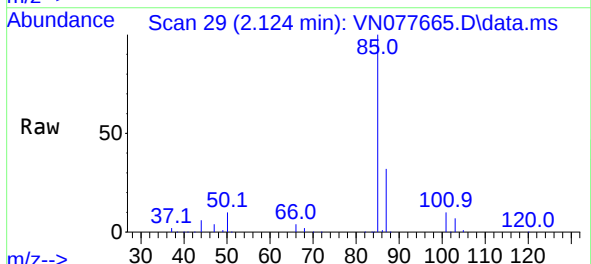


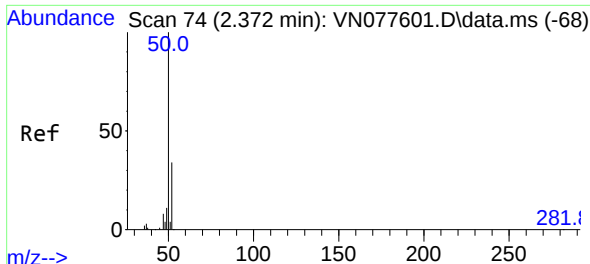
Tgt Ion:128 Resp: 106139
Ion Ratio Lower Upper
128 100
49 121.3 0.0 369.8
130 132.0 0.0 317.8



#2
Dichlorodifluoromethane
Concen: 18.105 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.013 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 85 Resp: 126164
Ion Ratio Lower Upper
85 100
87 31.6 15.3 45.9

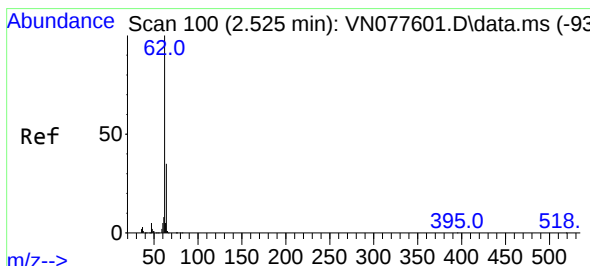
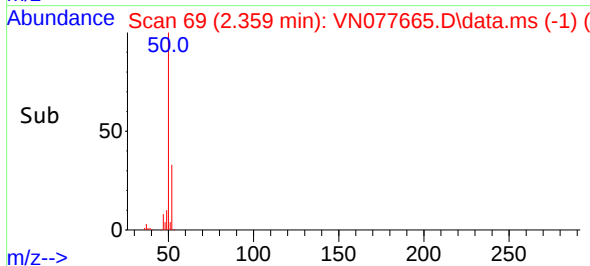
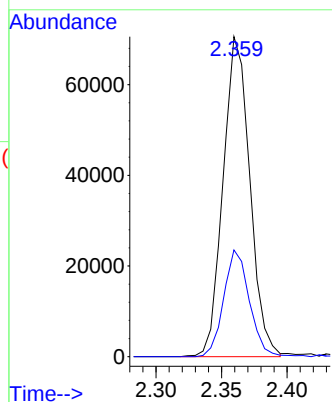
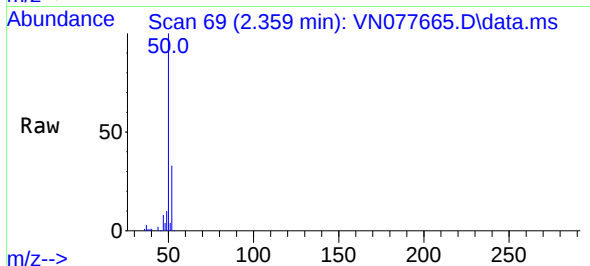




#3
Chloromethane
Concen: 18.903 ug/l
RT: 2.359 min Scan# 61
Delta R.T. -0.013 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

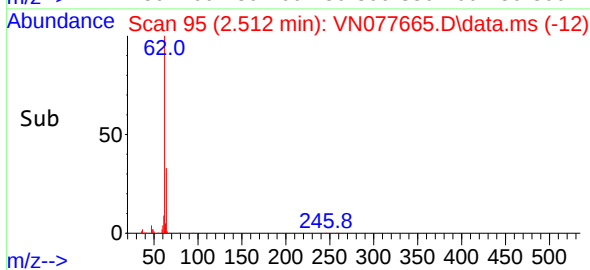
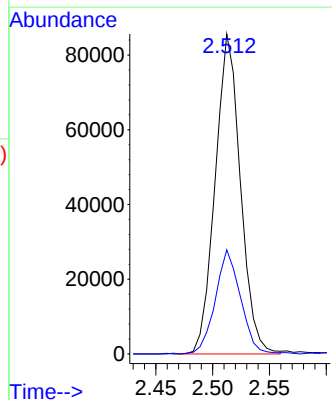
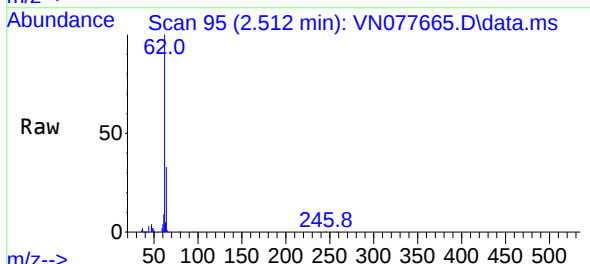
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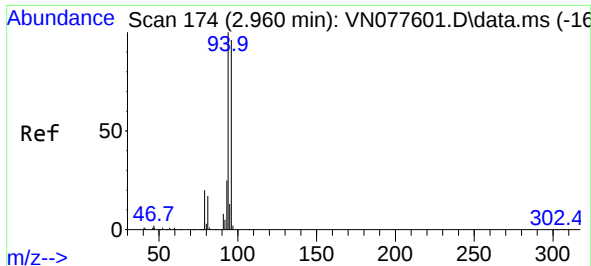
Tgt Ion: 50 Resp: 100108
Ion Ratio Lower Upper
50 100
52 33.4 27.3 40.9



#4
Vinyl Chloride
Concen: 16.272 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.013 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 62 Resp: 132599
Ion Ratio Lower Upper
62 100
64 32.6 27.8 41.6

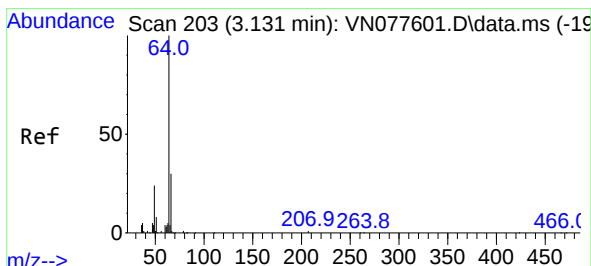
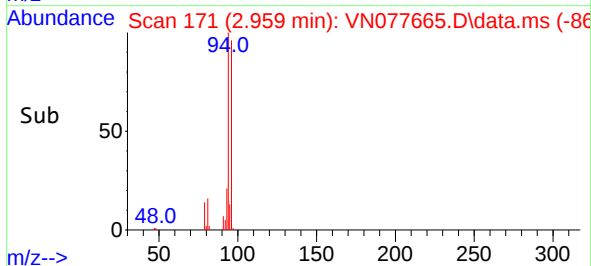
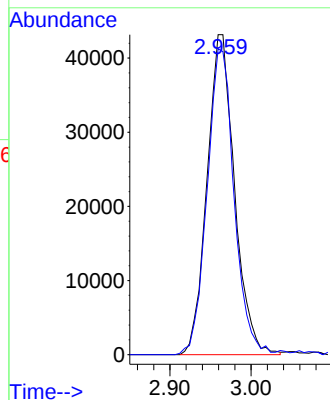
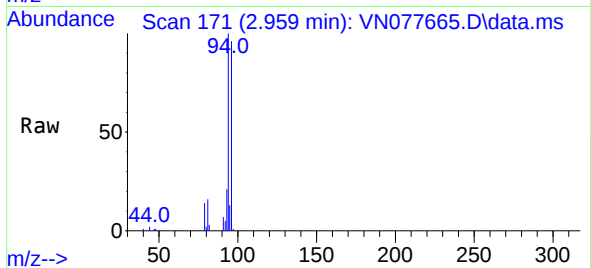




#5
Bromomethane
Concen: 18.693 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

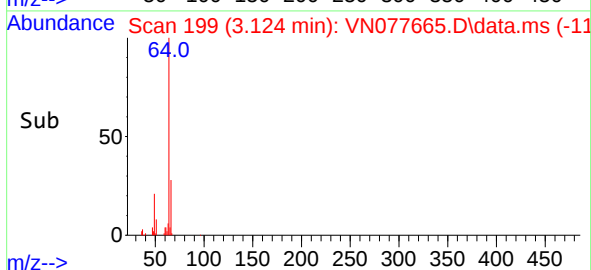
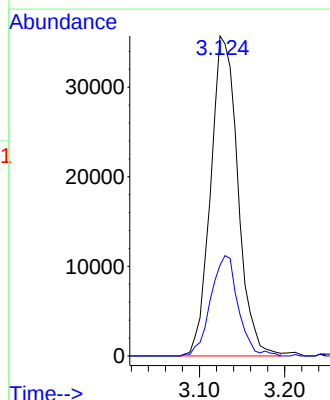
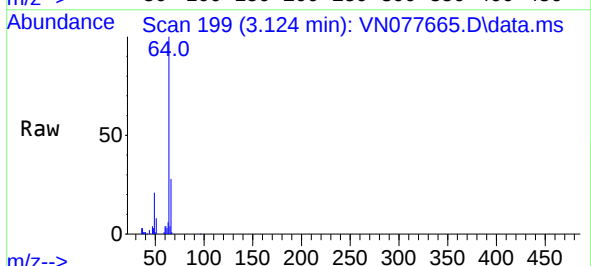
Instrument :
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ClientSampleId :
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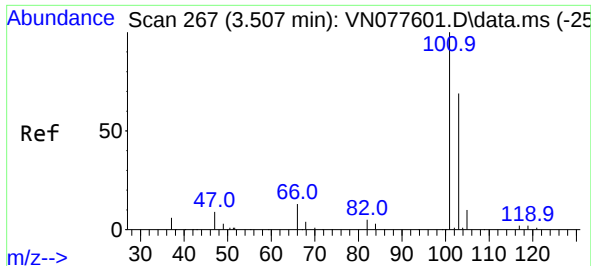
Tgt Ion: 94 Resp: 101539
Ion Ratio Lower Upper
94 100
96 95.1 76.7 115.1



#6
Chloroethane
Concen: 14.901 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.007 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 64 Resp: 79333
Ion Ratio Lower Upper
64 100
66 28.4 24.2 36.4

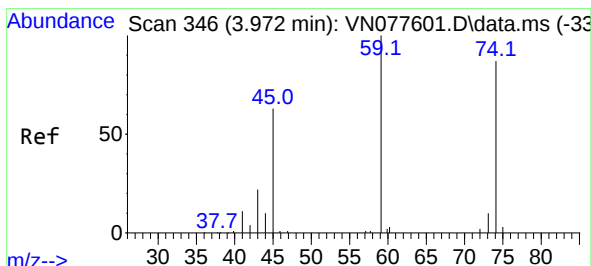
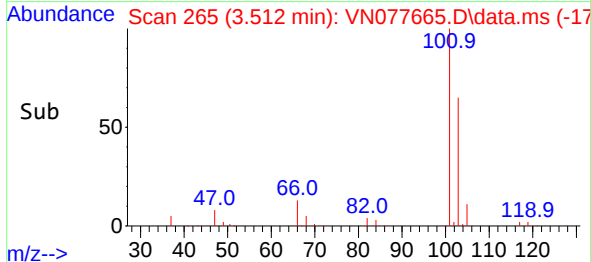
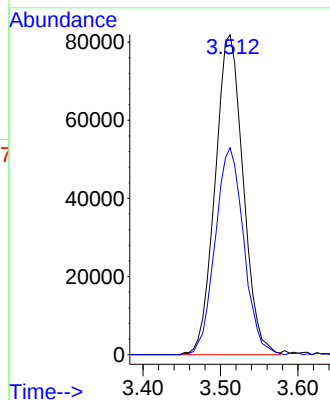
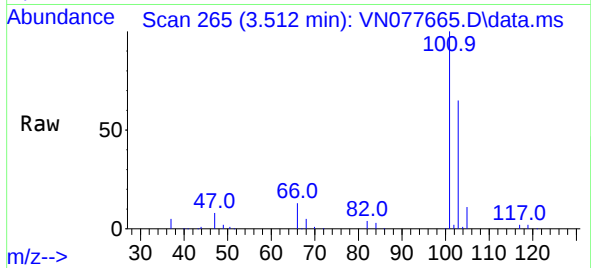




#7
 Trichlorofluoromethane
 Concen: 18.587 ug/l
 RT: 3.512 min Scan# 205
 Delta R.T. 0.005 min
 Lab File: VN077665.D
 Acq: 12 May 2023 11:01

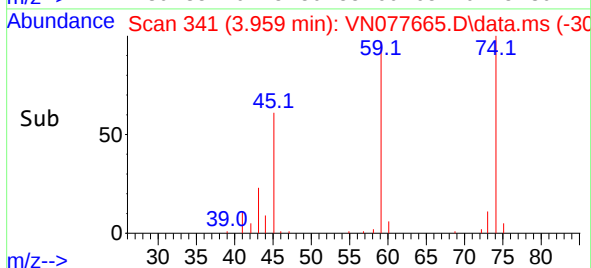
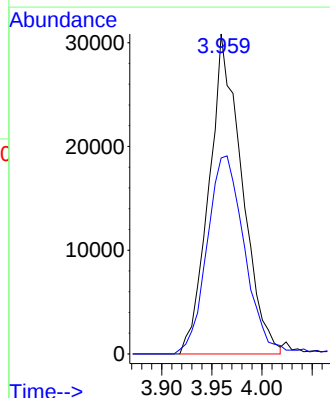
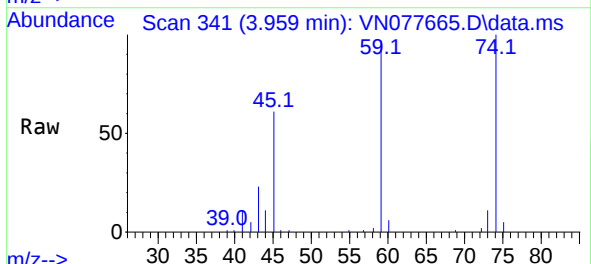
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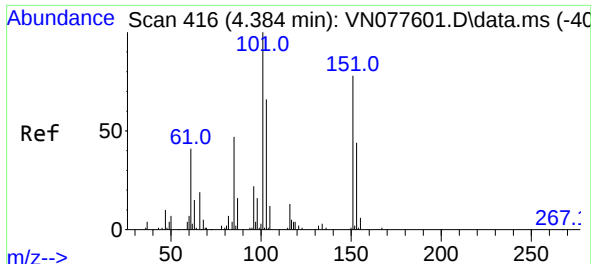
Tgt Ion:101 Resp: 205999
 Ion Ratio Lower Upper
 101 100
 103 64.7 55.0 82.4



#8
 Diethyl Ether
 Concen: 20.149 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.013 min
 Lab File: VN077665.D
 Acq: 12 May 2023 11:01

Tgt Ion: 74 Resp: 70380
 Ion Ratio Lower Upper
 74 100
 45 69.9 14.8 133.2

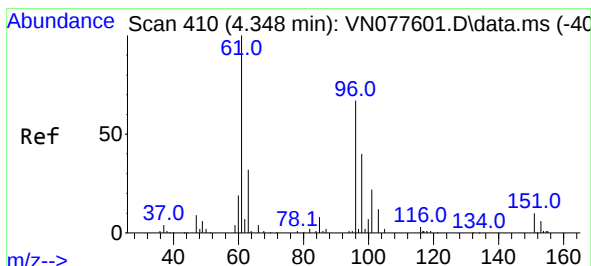
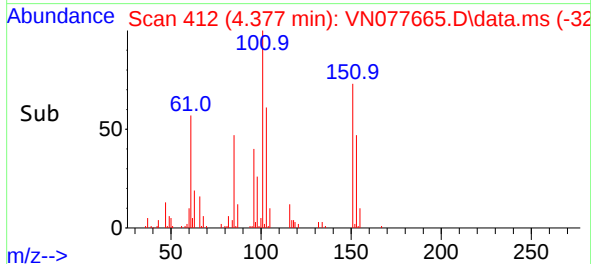
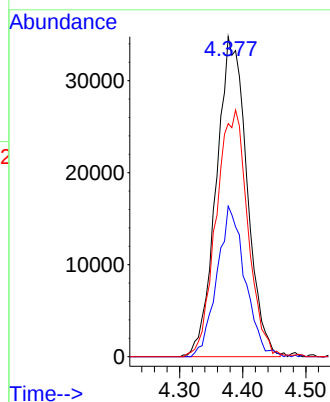
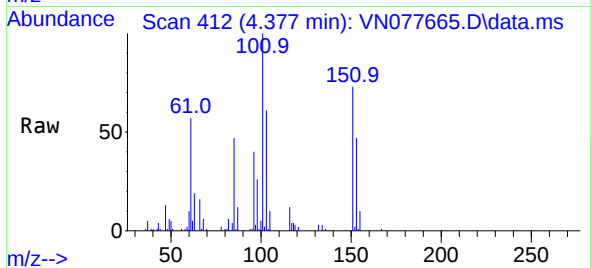




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.550 ug/l
RT: 4.377 min Scan# 416
Delta R.T. -0.007 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

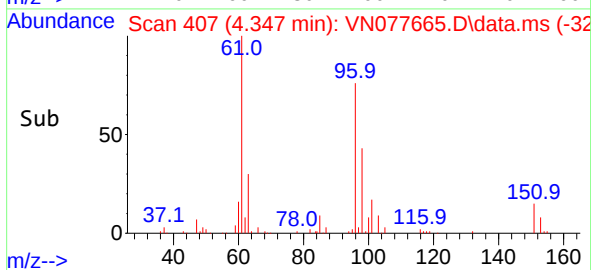
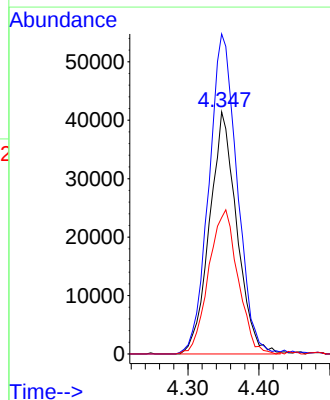
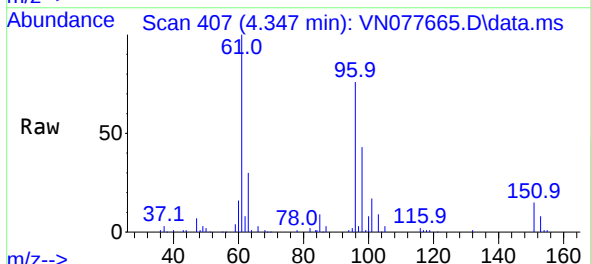
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ClientSampleId :
VSTDCCC020

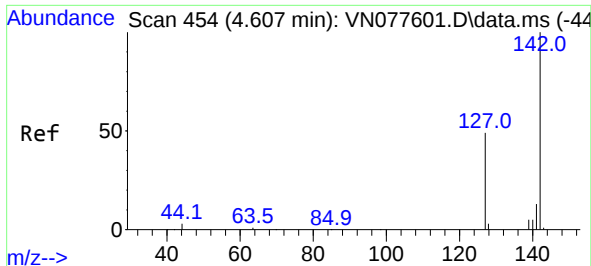
Tgt Ion:101 Resp: 116951
Ion Ratio Lower Upper
101 100
85 42.6 0.0 92.6
151 43.4 0.0 137.4



#10
1,1-Dichloroethene
Concen: 19.543 ug/l
RT: 4.347 min Scan# 407
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 96 Resp: 110515
Ion Ratio Lower Upper
96 100
61 131.5 120.1 180.1
98 55.9 48.3 72.5





#11

Methyl Iodide

Concen: 18.490 ug/l

RT: 4.595 min Scan# 44

Delta R.T. -0.012 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

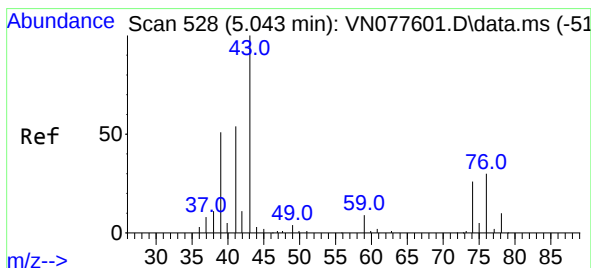
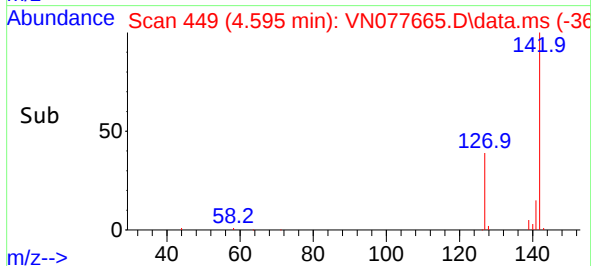
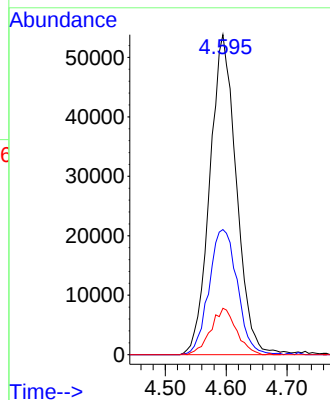
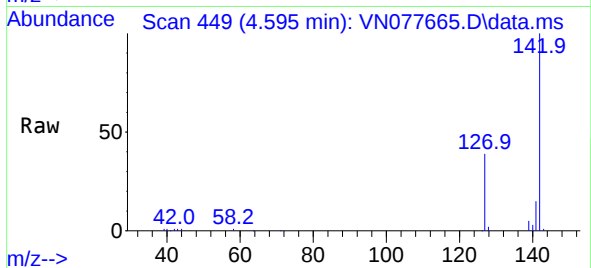
Tgt Ion:142 Resp: 162632

Ion Ratio Lower Upper

142 100

127 39.1 24.6 73.6

141 14.6 6.4 19.2



#12

Methyl Acetate

Concen: 22.860 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.019 min

Lab File: VN077665.D

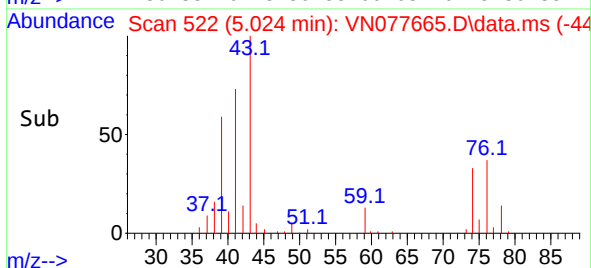
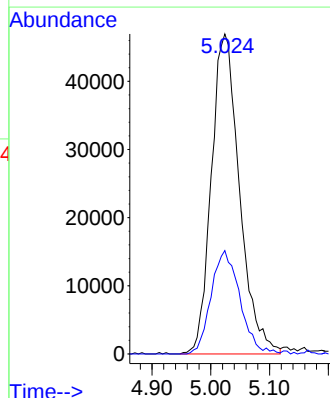
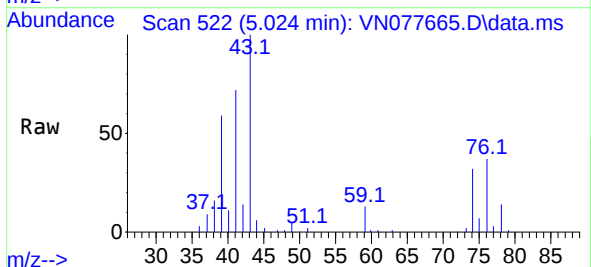
Acq: 12 May 2023 11:01

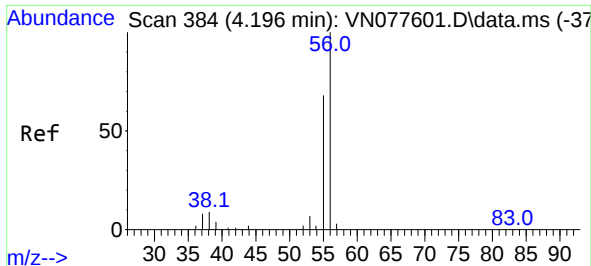
Tgt Ion: 43 Resp: 156268

Ion Ratio Lower Upper

43 100

74 32.4 20.6 31.0#

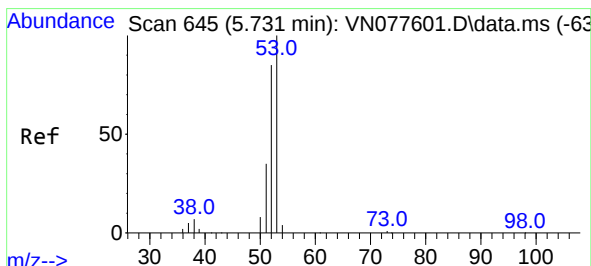
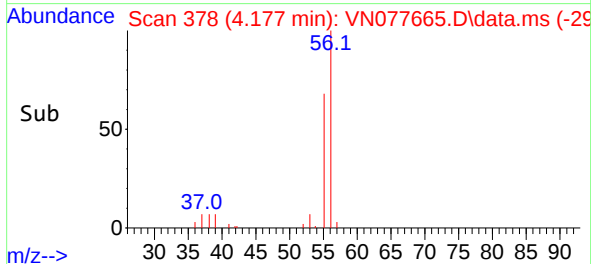
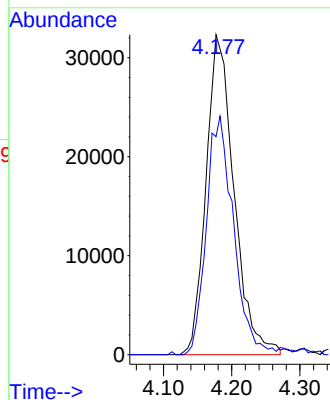
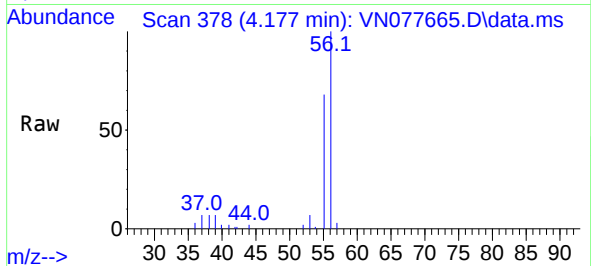




#13
Acrolein
Concen: 110.124 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.019 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

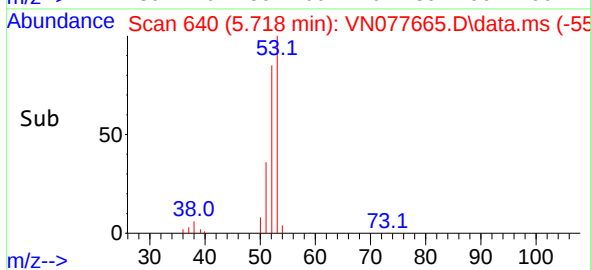
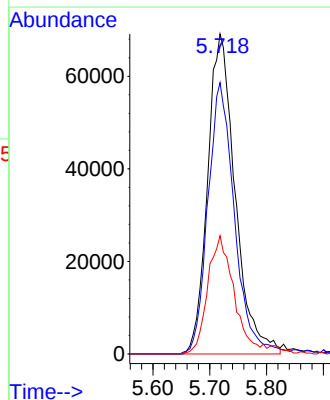
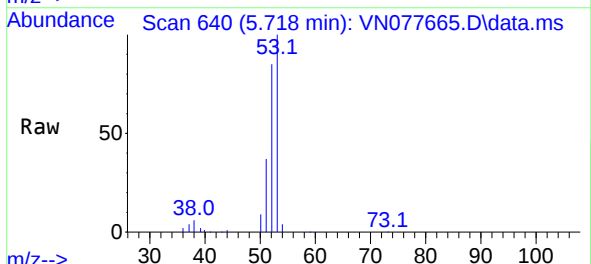
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

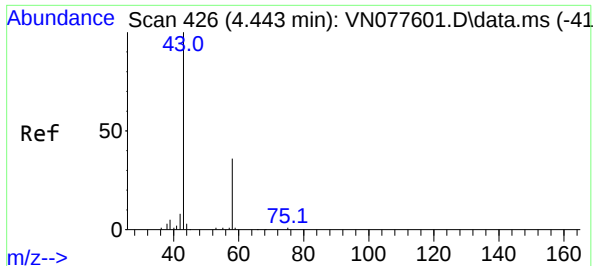
Tgt Ion: 56 Resp: 92212
Ion Ratio Lower Upper
56 100
55 72.3 54.8 82.2



#14
Acrylonitrile
Concen: 111.723 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.013 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 53 Resp: 232318
Ion Ratio Lower Upper
53 100
52 81.8 41.6 124.8
51 34.9 17.6 52.9





#15

Acetone

Concen: 115.621 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.013 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

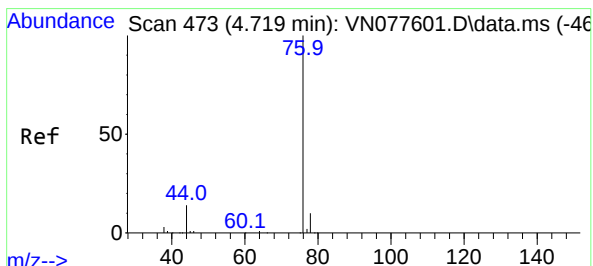
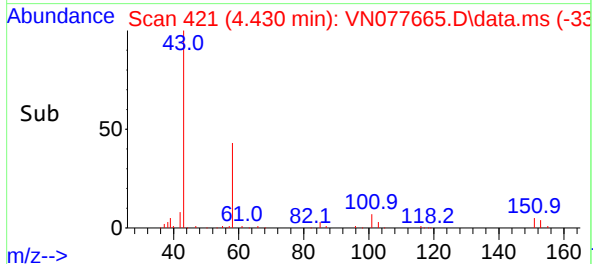
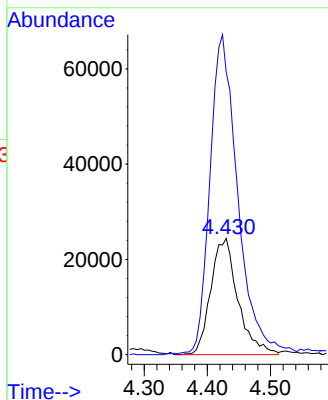
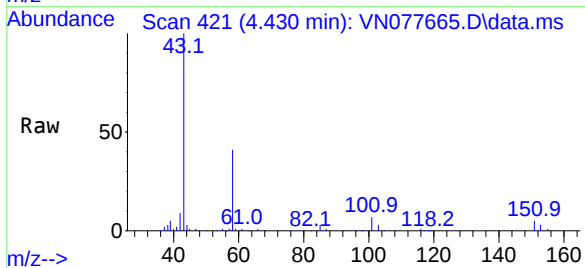
VSTDCCC020

Tgt Ion: 58 Resp: 72969

Ion Ratio Lower Upper

58 100

43 242.2 223.2 334.8



#16

Carbon Disulfide

Concen: 18.065 ug/l

RT: 4.724 min Scan# 471

Delta R.T. 0.005 min

Lab File: VN077665.D

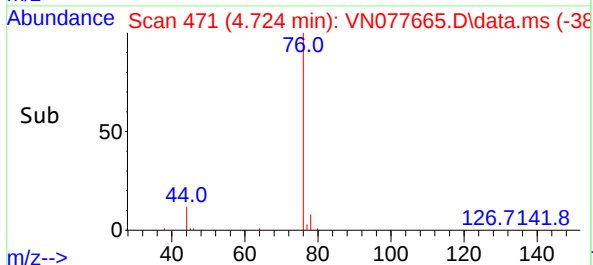
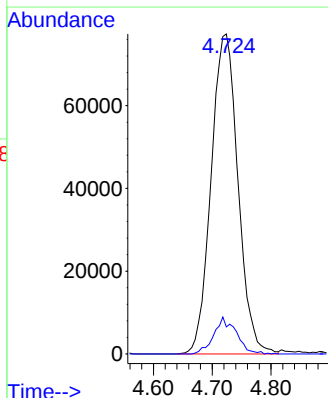
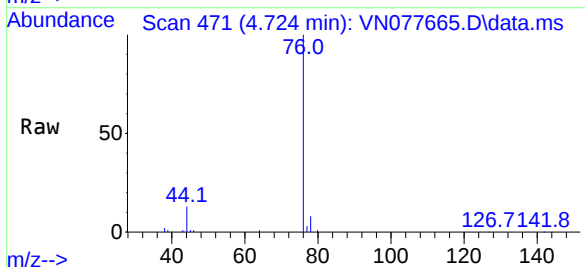
Acq: 12 May 2023 11:01

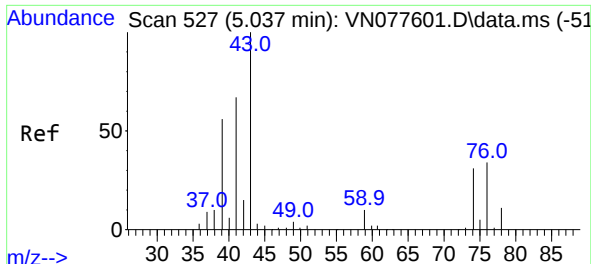
Tgt Ion: 76 Resp: 245398

Ion Ratio Lower Upper

76 100

78 8.4 7.6 11.4

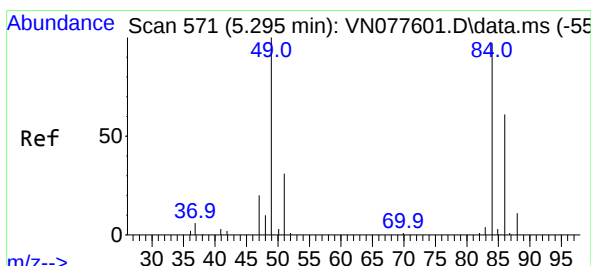
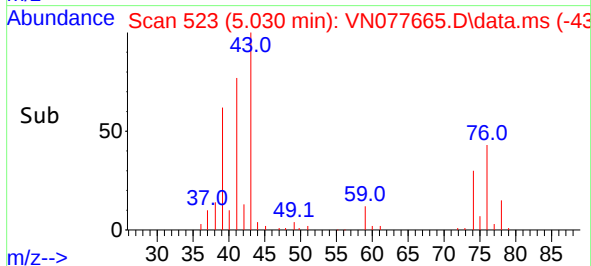
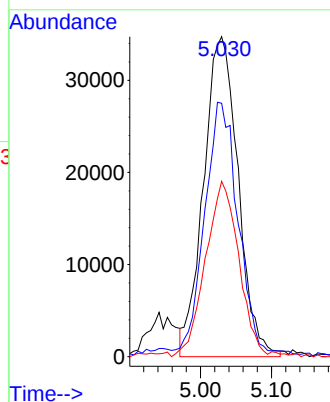
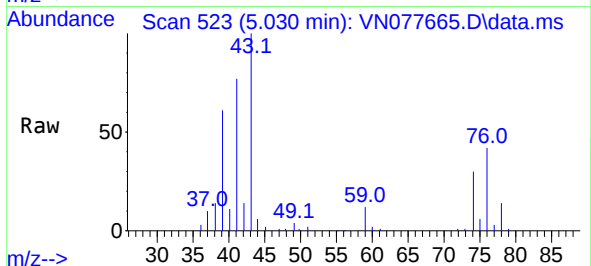




#17
Allyl chloride
Concen: 19.983 ug/l
RT: 5.030 min Scan# 51
Delta R.T. -0.007 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

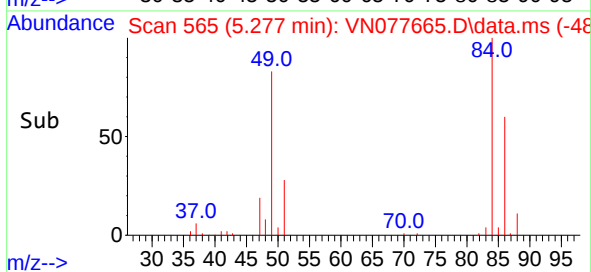
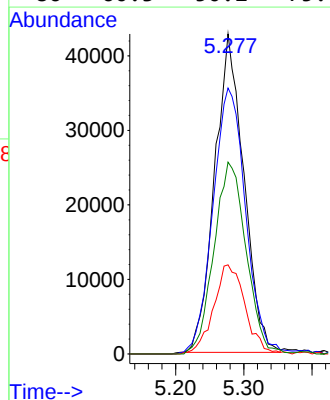
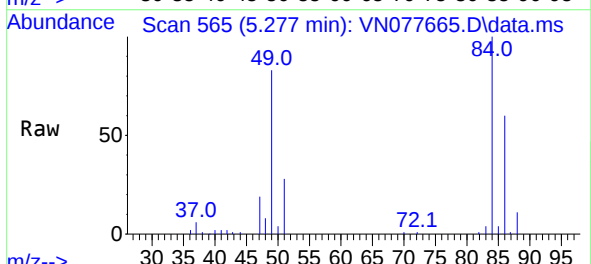
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

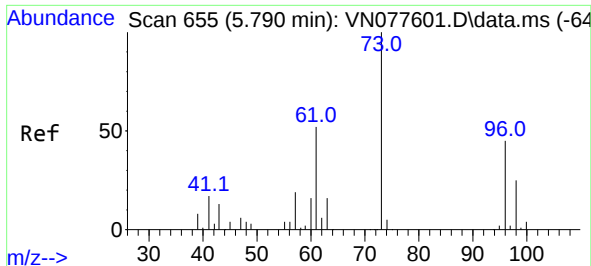
Tgt Ion: 41 Resp: 117304
Ion Ratio Lower Upper
41 100
39 78.8 39.5 118.3
76 54.9 23.4 70.3



#18
Methylene Chloride
Concen: 18.488 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.018 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 84 Resp: 127063
Ion Ratio Lower Upper
84 100
49 83.1 82.4 123.6
51 28.0 25.1 37.7
86 60.3 50.2 75.4





#19

trans-1,2-Dichloroethene

Concen: 19.426 ug/l

RT: 5.794 min Scan# 61

Delta R.T. 0.004 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

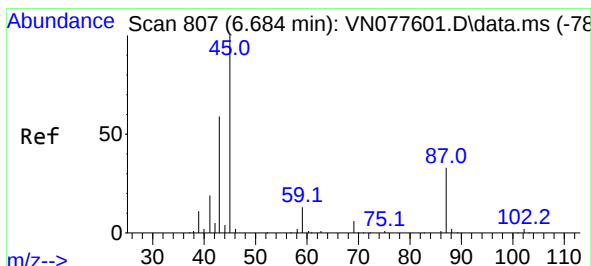
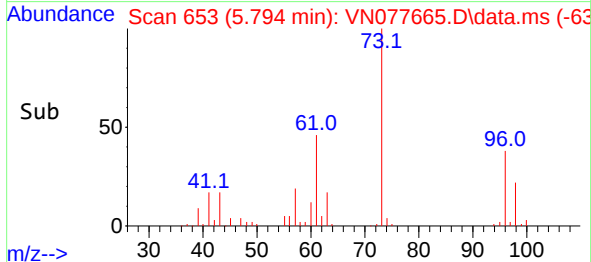
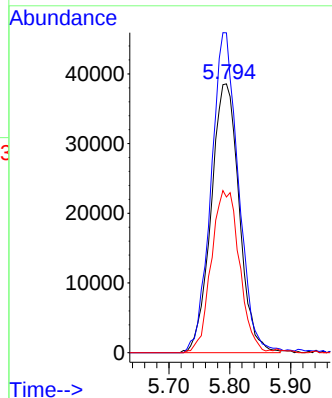
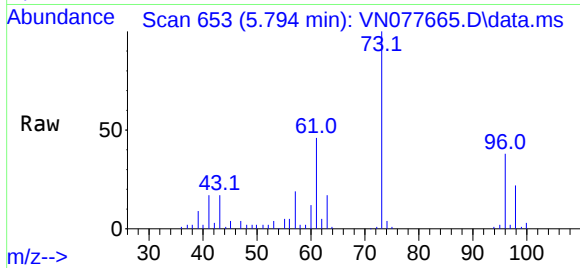
Tgt Ion: 96 Resp: 123588

Ion Ratio Lower Upper

96 100

61 119.0 92.4 138.6

98 57.9 44.8 67.2



#20

Diisopropyl ether

Concen: 19.793 ug/l

RT: 6.671 min Scan# 802

Delta R.T. -0.013 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Tgt Ion: 45 Resp: 282586

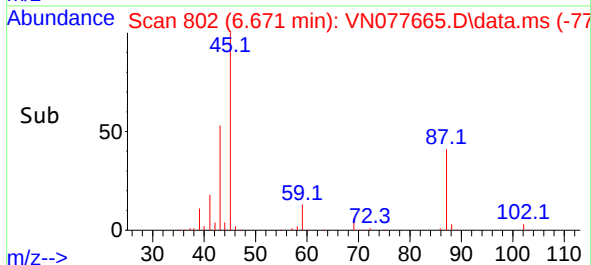
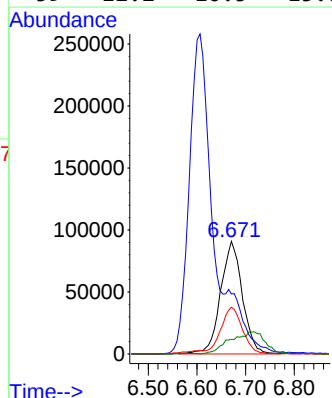
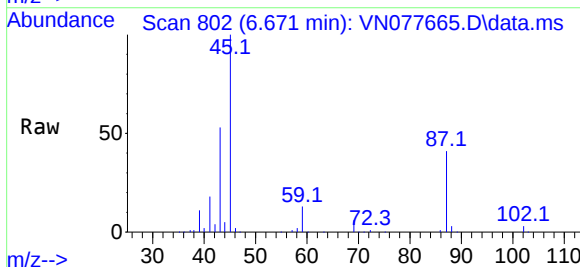
Ion Ratio Lower Upper

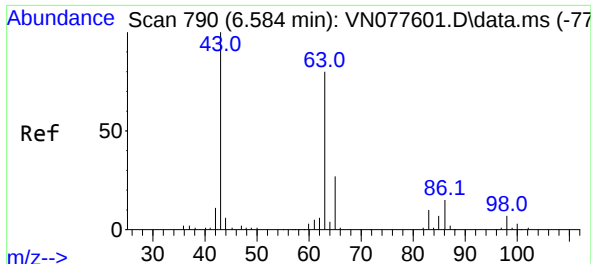
45 100

43 52.0 47.1 70.7

87 41.3 26.2 39.2#

59 12.2 10.5 15.7

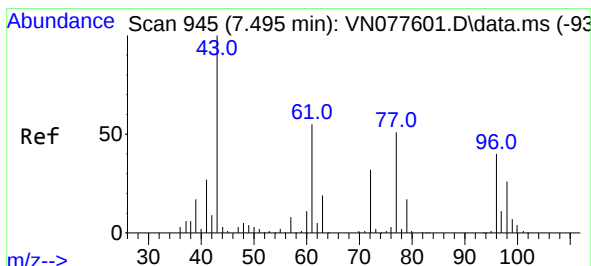
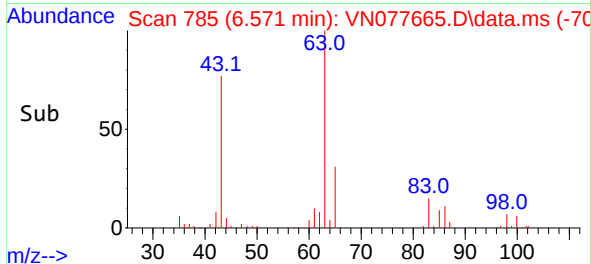
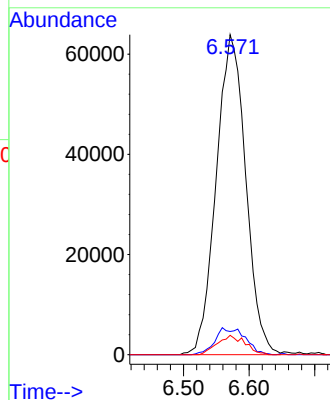
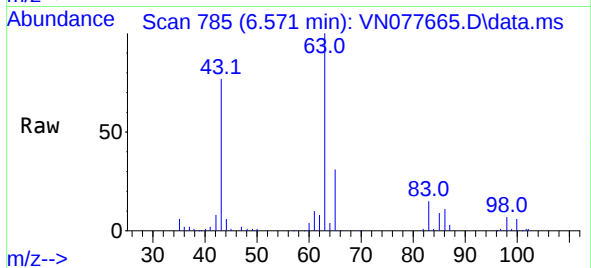




#21
1,1-Dichloroethane
Concen: 19.065 ug/l
RT: 6.571 min Scan# 71
Delta R.T. -0.013 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

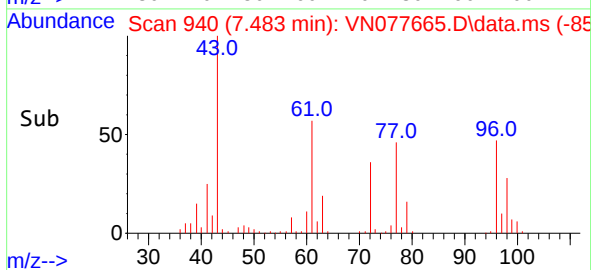
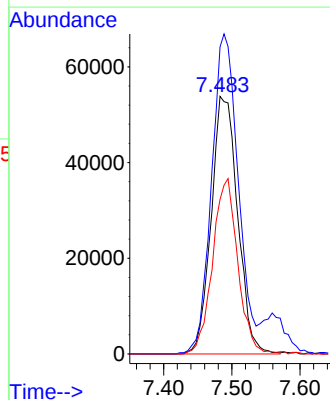
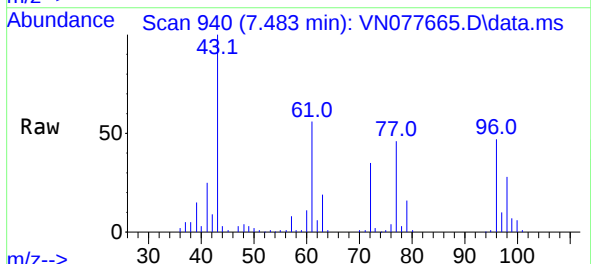
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

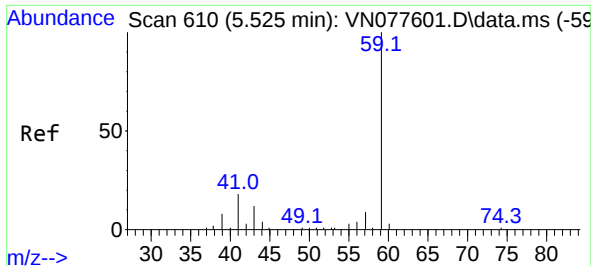
Tgt Ion: 63 Resp: 199655
Ion Ratio Lower Upper
63 100
98 7.3 4.3 13.1
100 6.1 2.3 6.8



#22
cis-1,2-Dichloroethene
Concen: 18.948 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.012 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 96 Resp: 145252
Ion Ratio Lower Upper
96 100
61 124.4 109.4 164.0
98 64.5 51.2 76.8

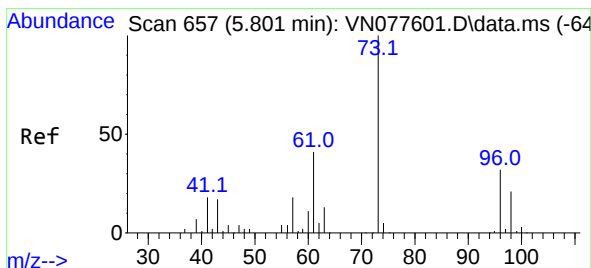
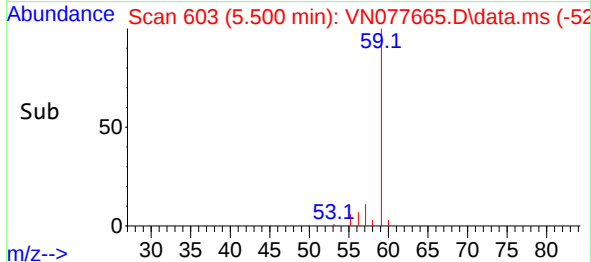
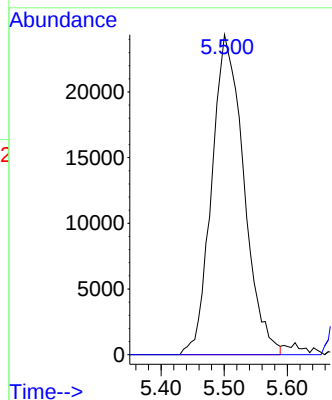
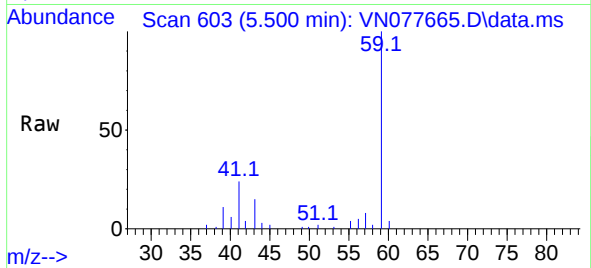




#23
tert-Butyl Alcohol
Concen: 105.501 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.025 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

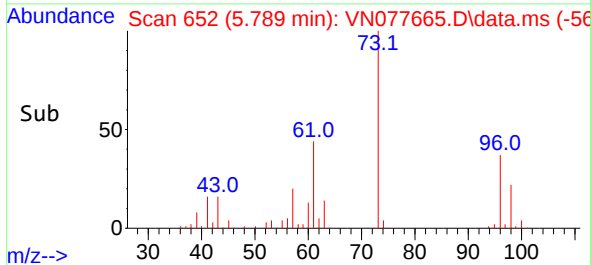
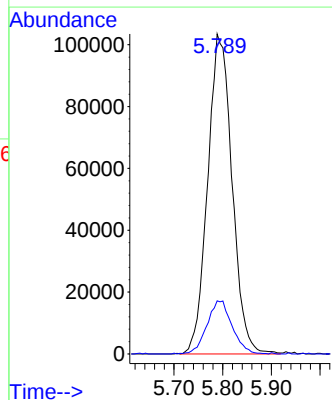
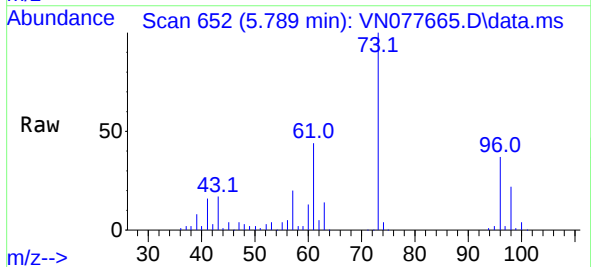
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

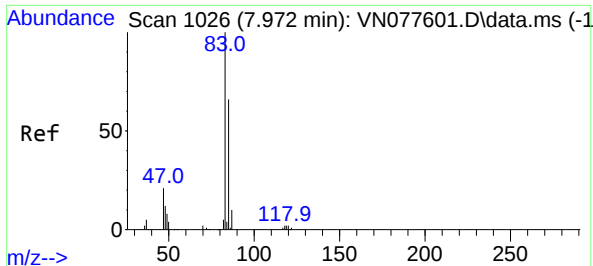
Tgt Ion: 59 Resp: 85941
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 18.810 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.012 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 73 Resp: 360053
Ion Ratio Lower Upper
73 100
43 17.2 14.3 21.5





#25

Chloroform

Concen: 18.819 ug/l

RT: 7.971 min Scan# 1026

Delta R.T. -0.001 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

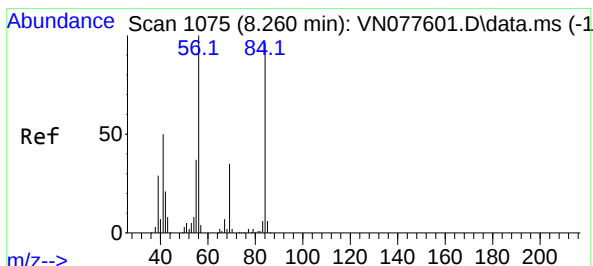
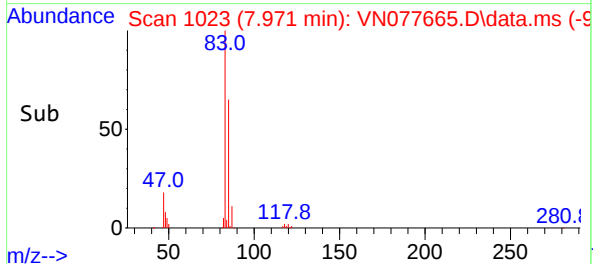
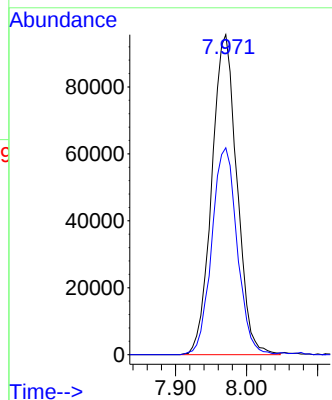
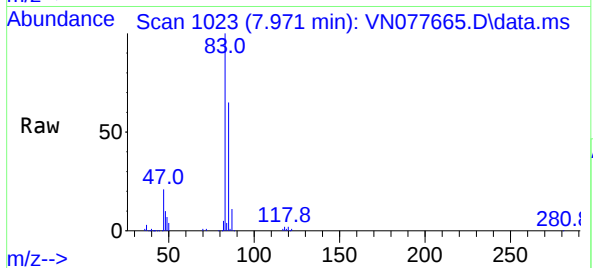
VSTDCCC020

Tgt Ion: 83 Resp: 234909

Ion Ratio Lower Upper

83 100

85 64.7 53.0 79.6



#26

Cyclohexane

Concen: 18.086 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.001 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

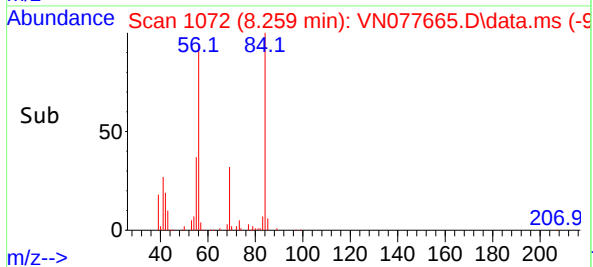
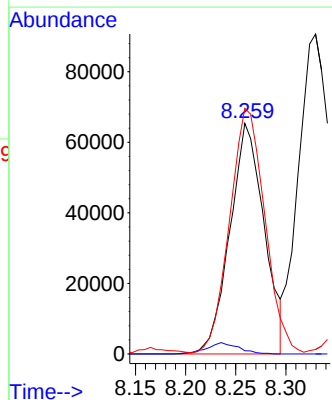
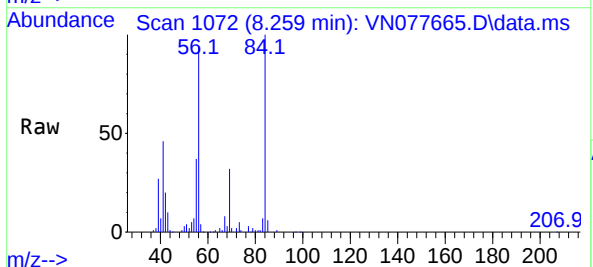
Tgt Ion: 56 Resp: 155484

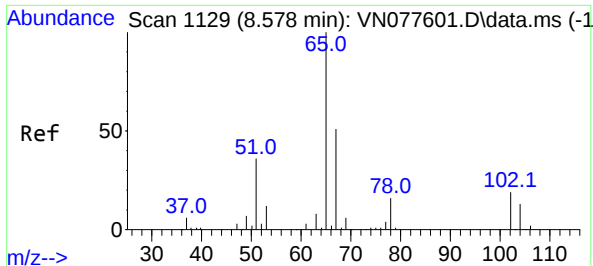
Ion Ratio Lower Upper

56 100

89 4.6 0.0 0.0#

84 110.1 84.6 126.8

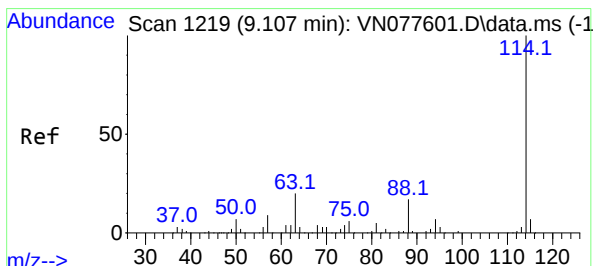
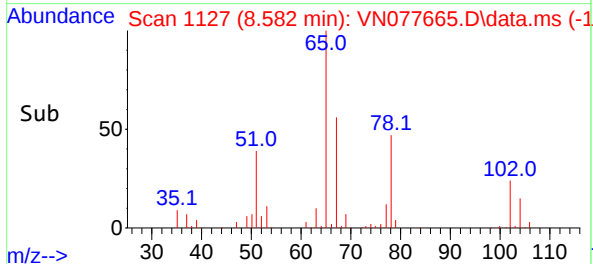
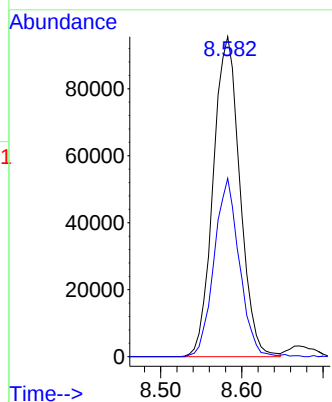
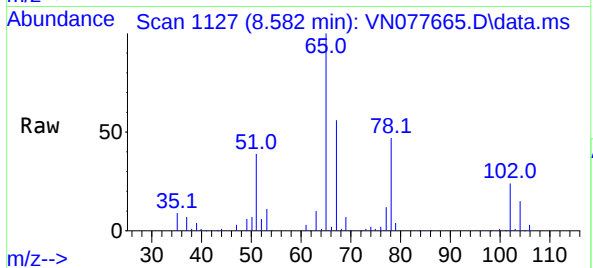




#27
1,2-Dichloroethane-d4
Concen: 28.616 ug/l
RT: 8.582 min Scan# 1129
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

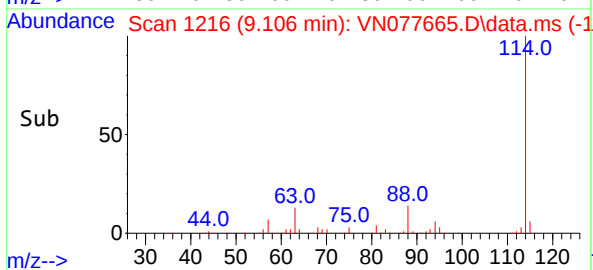
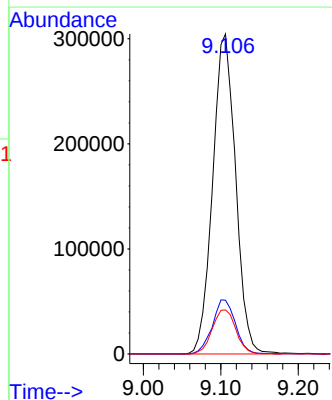
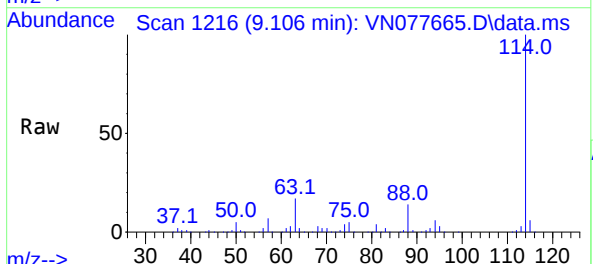
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

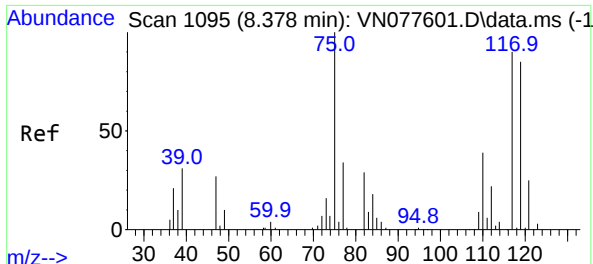
Tgt Ion: 65 Resp: 218423
Ion Ratio Lower Upper
65 100
67 52.4 41.3 61.9



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 114 Resp: 627207
Ion Ratio Lower Upper
114 100
63 17.1 15.8 23.6
88 14.2 13.0 19.4

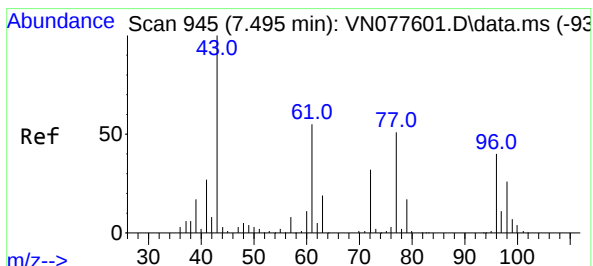
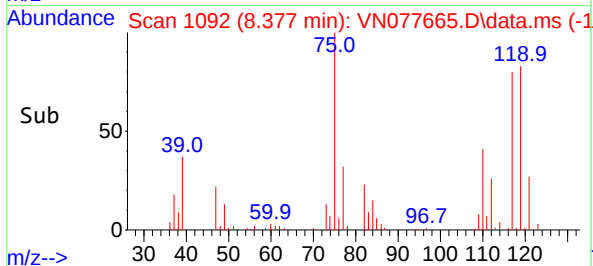
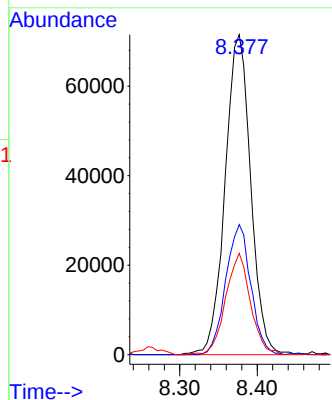
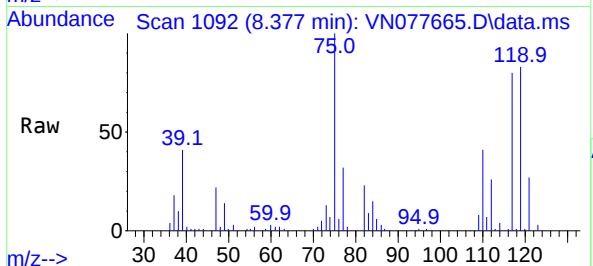




#29
1,1-Dichloropropene
Concen: 18.191 ug/l
RT: 8.377 min Scan# 1095
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

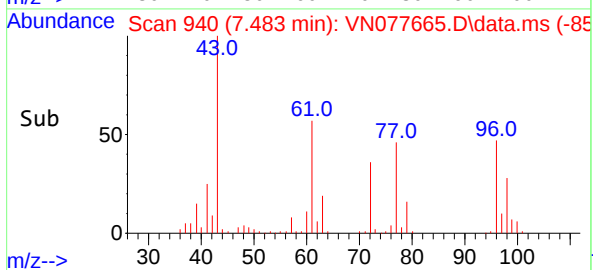
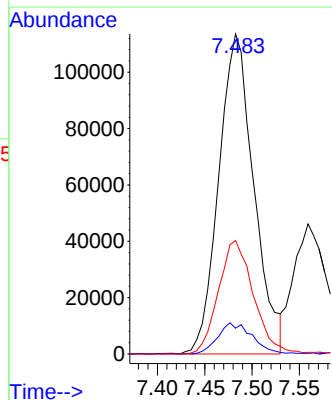
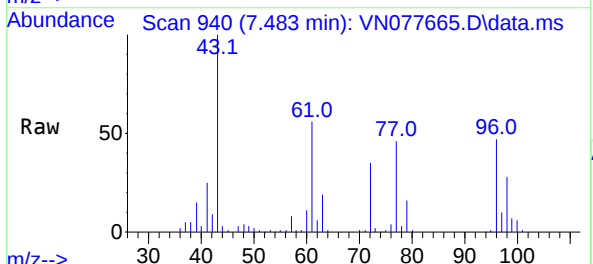
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

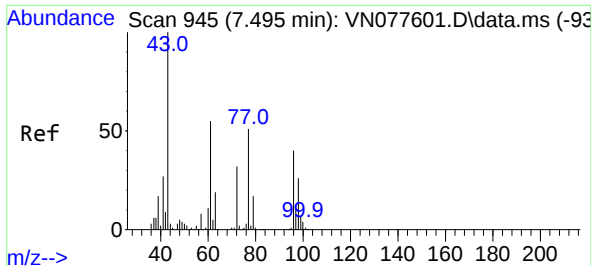
Tgt Ion: 75 Resp: 164250
Ion Ratio Lower Upper
75 100
110 39.8 0.0 69.8
77 30.4 0.0 61.4



#30
2-Butanone
Concen: 121.574 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.012 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 43 Resp: 292596
Ion Ratio Lower Upper
43 100
57 9.5 7.2 10.8
72 35.3 26.2 39.2





#31

2,2-Dichloropropane

Concen: 16.719 ug/l

RT: 7.488 min Scan# 94

Delta R.T. -0.007 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

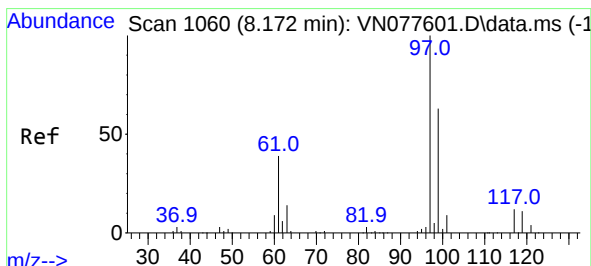
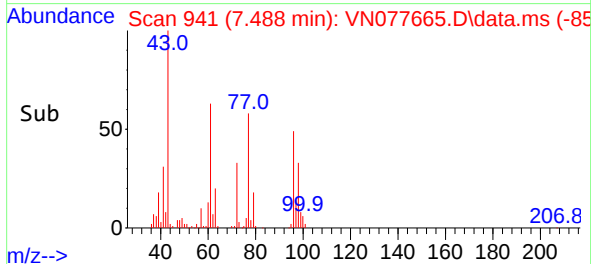
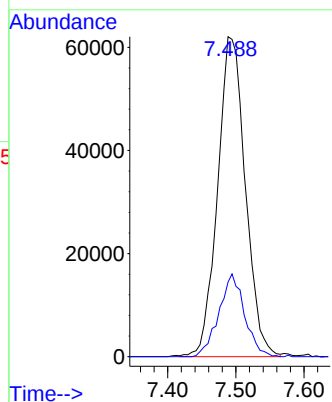
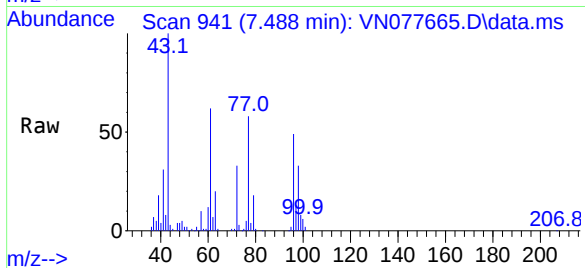
VSTDCCC020

Tgt Ion: 77 Resp: 175876

Ion Ratio Lower Upper

77 100

97 24.0 19.1 28.7



#32

1,1,1-Trichloroethane

Concen: 17.863 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

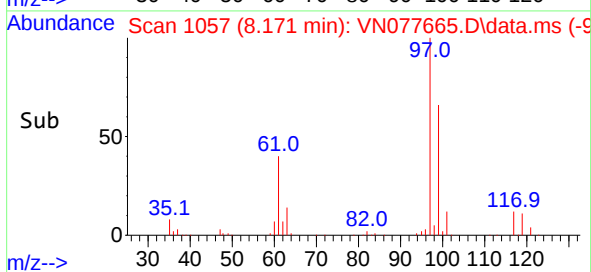
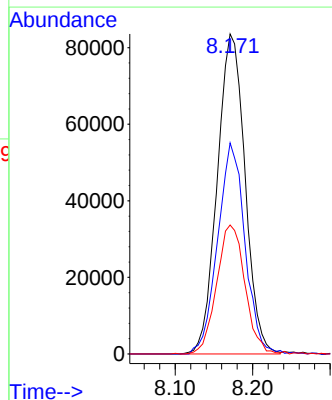
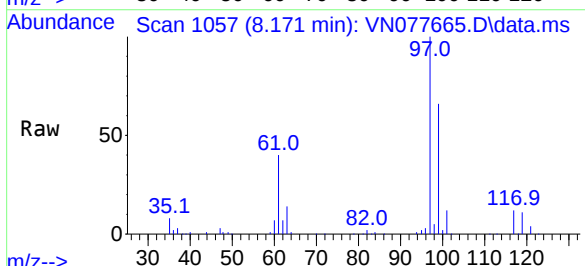
Tgt Ion: 97 Resp: 208746

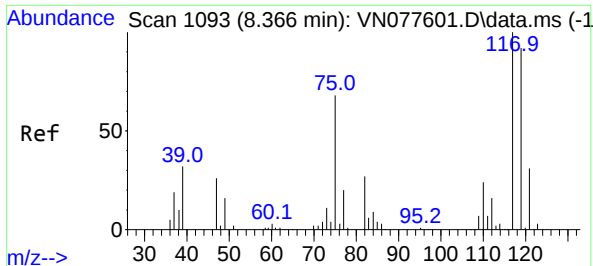
Ion Ratio Lower Upper

97 100

99 64.6 53.1 79.7

61 40.9 35.1 52.7

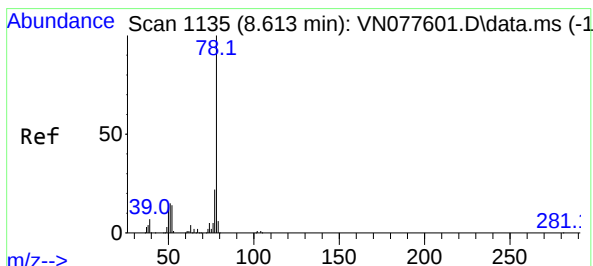
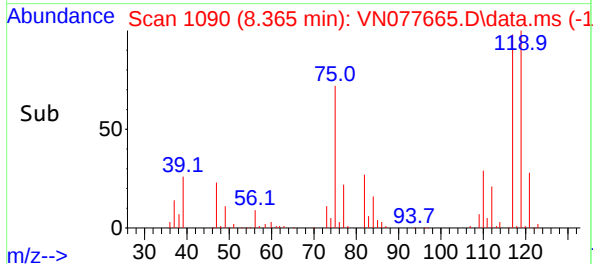
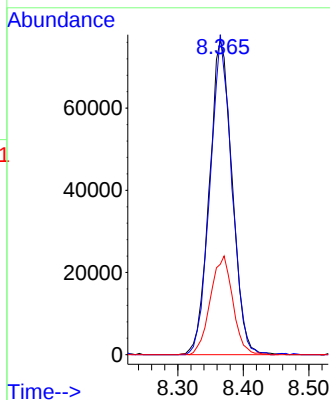
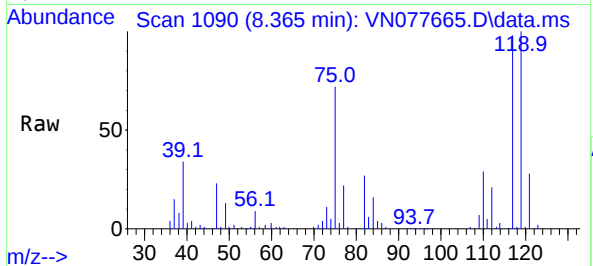




#33
Carbon Tetrachloride
Concen: 18.672 ug/l
RT: 8.365 min Scan# 1109
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

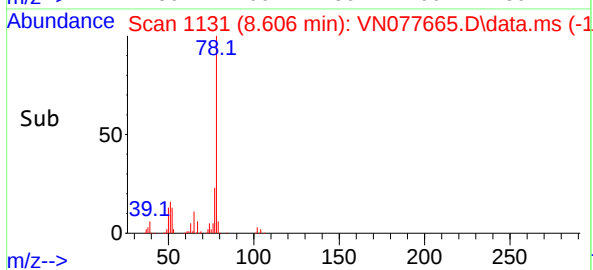
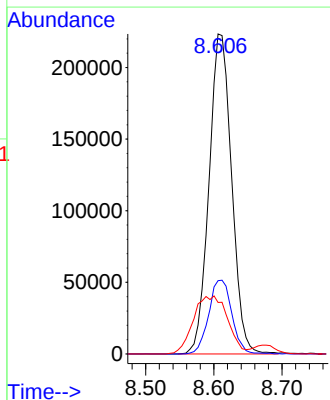
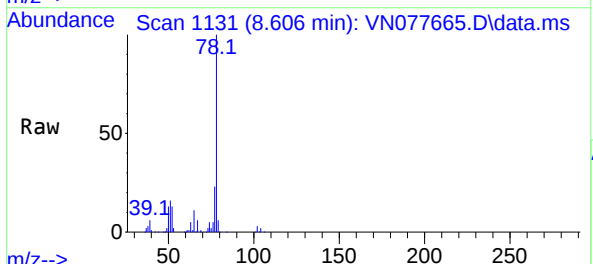
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

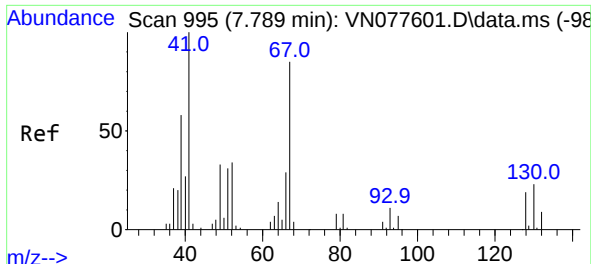
Tgt Ion:117 Resp: 184526
Ion Ratio Lower Upper
117 100
119 101.8 73.9 110.9
121 28.8 25.0 37.4



#34
Benzene
Concen: 18.942 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 78 Resp: 516418
Ion Ratio Lower Upper
78 100
77 22.9 17.2 25.8
51 15.0 12.3 18.5



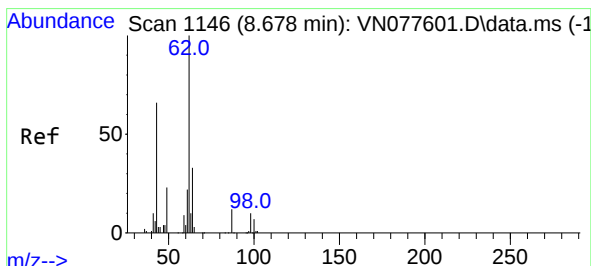
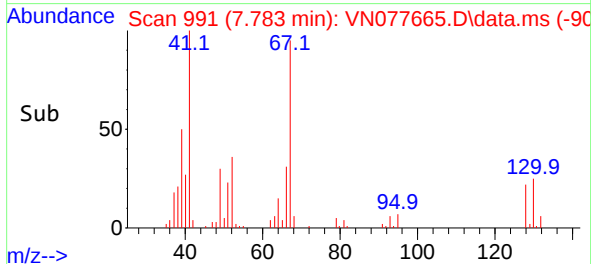
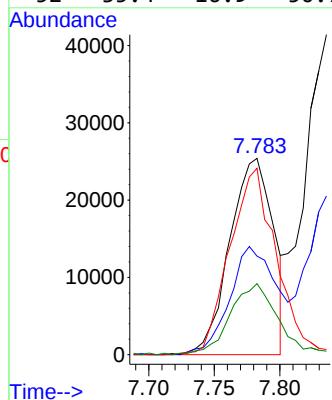
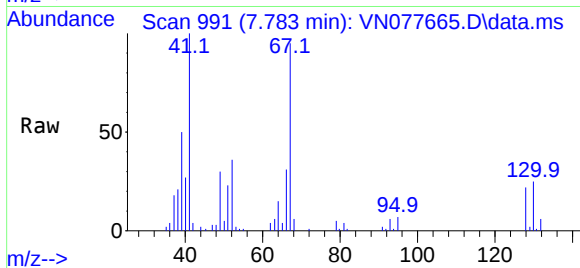


#35
Methacrylonitrile
Concen: 21.431 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 58544

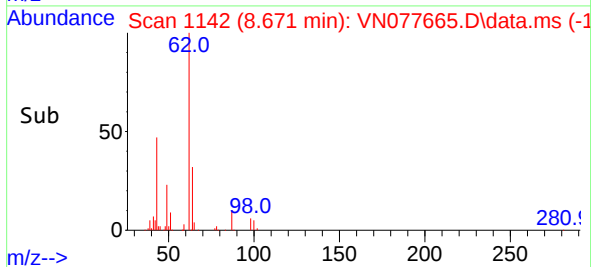
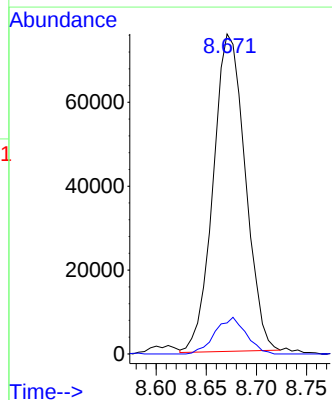
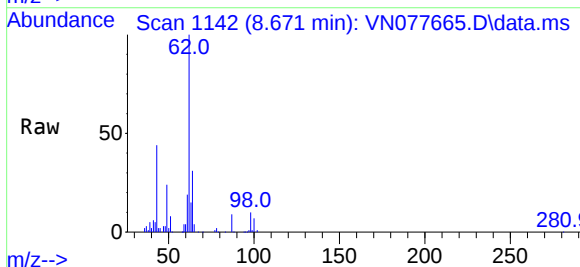
Ion	Ratio	Lower	Upper
41	100		
39	50.2	28.7	86.3
67	94.3	42.7	128.1
52	35.4	16.9	50.7

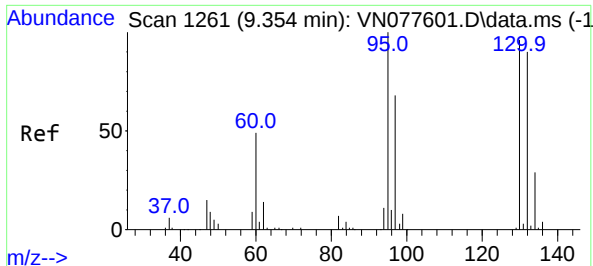


#36
1,2-Dichloroethane
Concen: 18.565 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.007 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 62 Resp: 168749

Ion	Ratio	Lower	Upper
62	100		
98	11.2	7.6	11.4

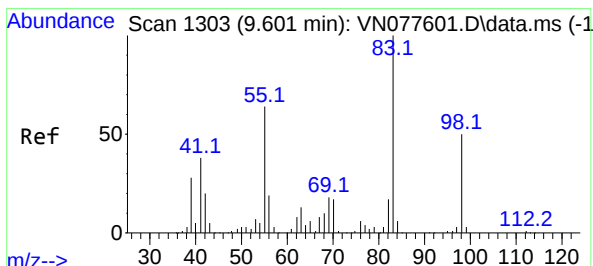
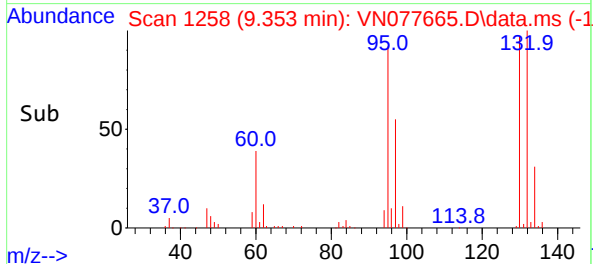
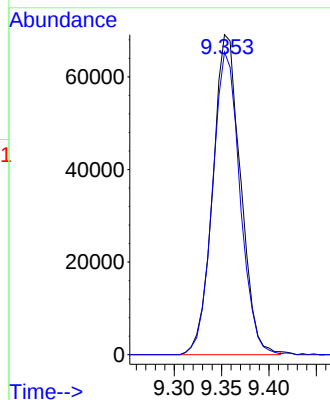
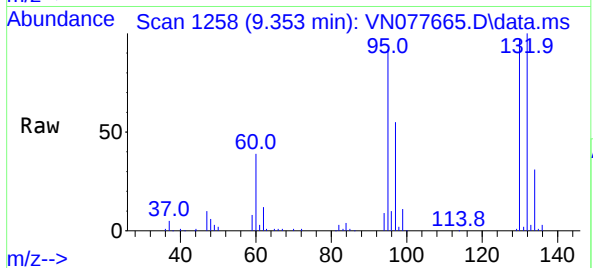




#37
Trichloroethene
Concen: 19.999 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

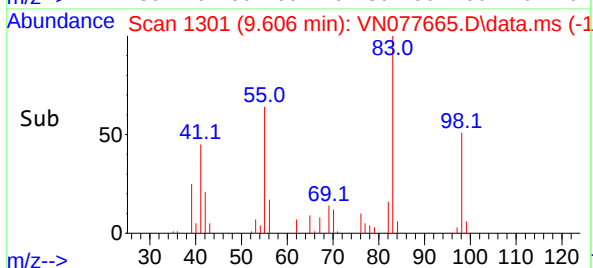
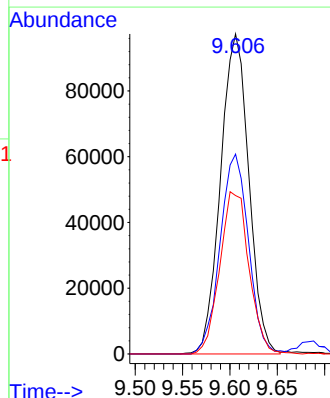
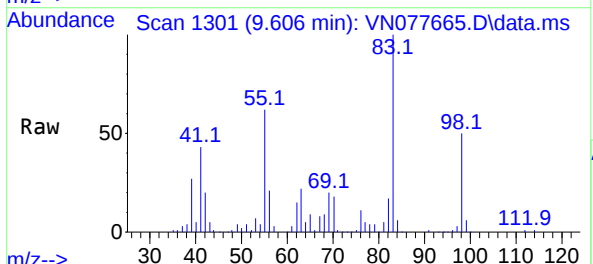
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

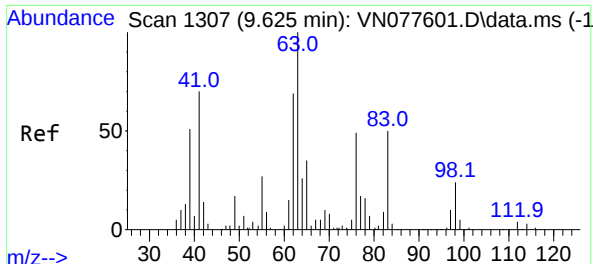
Tgt Ion:130 Resp: 140949
Ion Ratio Lower Upper
130 100
95 94.6 83.0 124.6



#38
Methylcyclohexane
Concen: 17.380 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 83 Resp: 202055
Ion Ratio Lower Upper
83 100
55 62.9 33.6 100.8
98 52.5 25.3 75.8

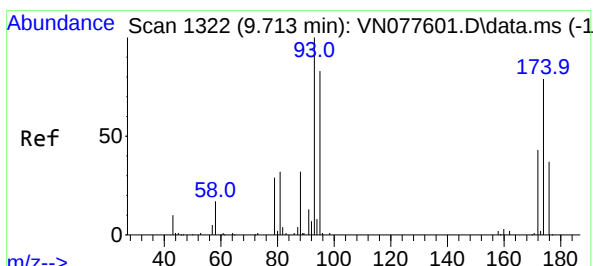
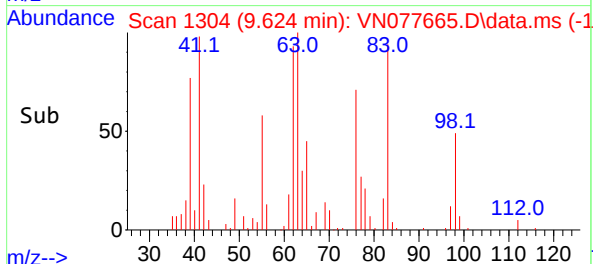
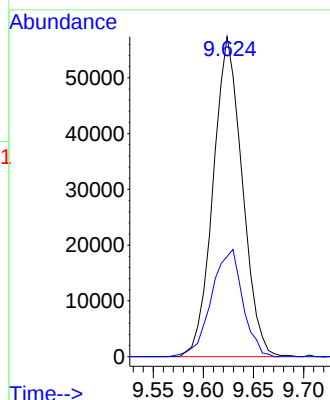
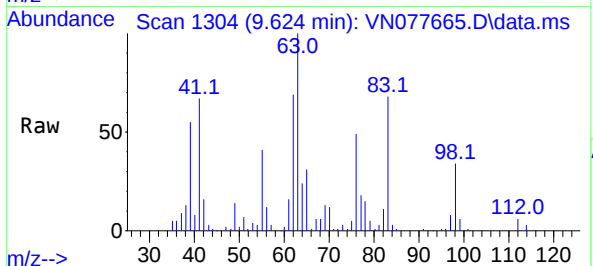




#39
1,2-Dichloropropane
Concen: 18.336 ug/l
RT: 9.624 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

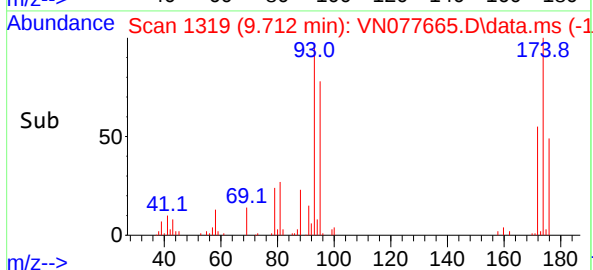
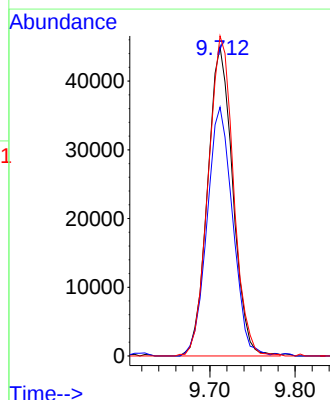
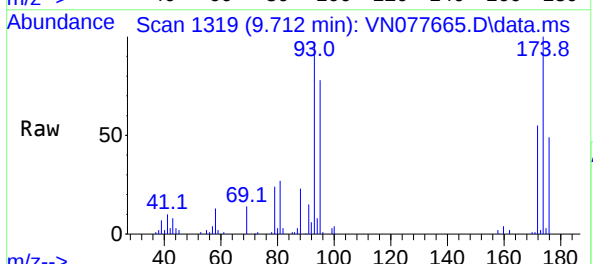
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

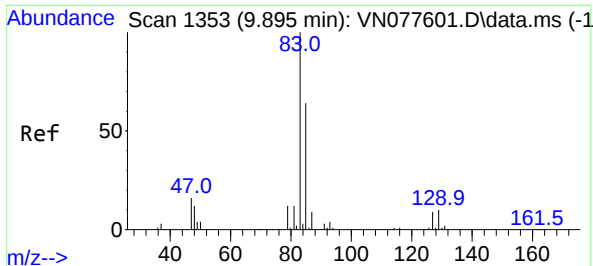
Tgt Ion: 63 Resp: 115739
Ion Ratio Lower Upper
63 100
65 31.3 28.2 42.4



#40
Dibromomethane
Concen: 18.582 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 93 Resp: 92471
Ion Ratio Lower Upper
93 100
95 81.8 0.0 164.0
174 103.6 0.0 157.0

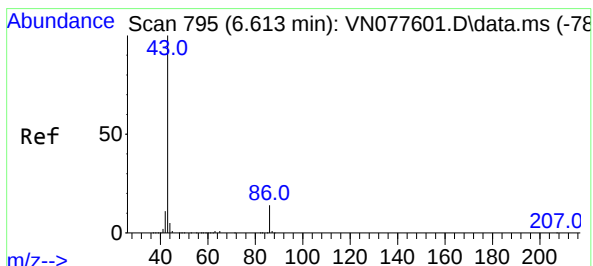
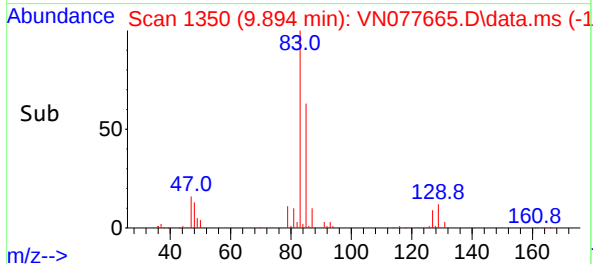
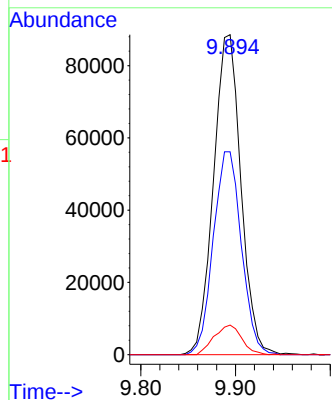
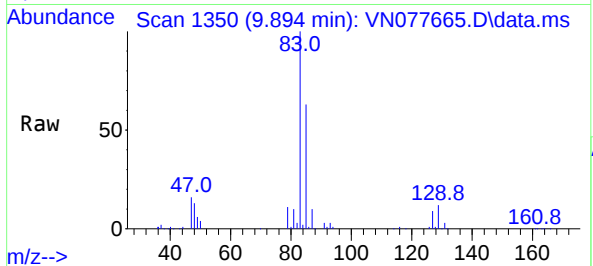




#41
Bromodichloromethane
Concen: 17.795 ug/l
RT: 9.894 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

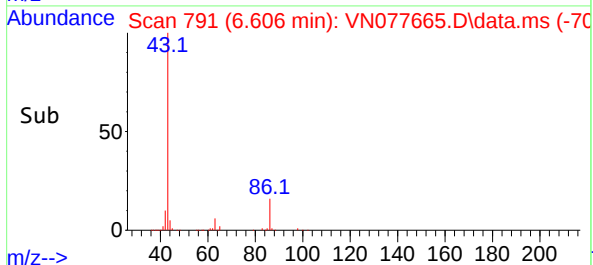
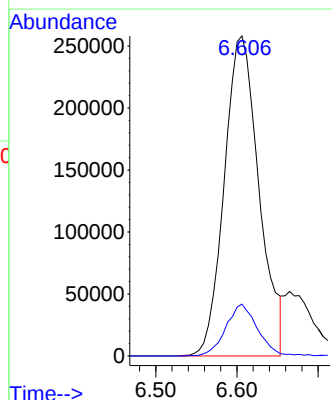
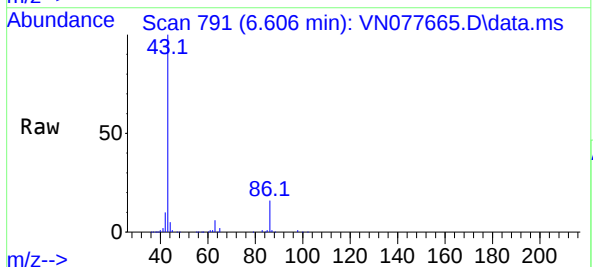
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

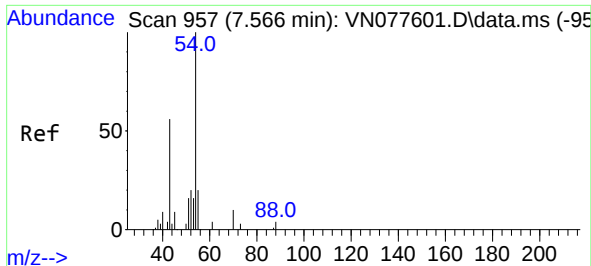
Tgt Ion: 83 Resp: 178318
Ion Ratio Lower Upper
83 100
85 63.4 51.2 76.8
127 9.3 7.3 10.9



#42
Vinyl Acetate
Concen: 86.169 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.007 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 43 Resp: 769284
Ion Ratio Lower Upper
43 100
86 14.7 10.3 15.5

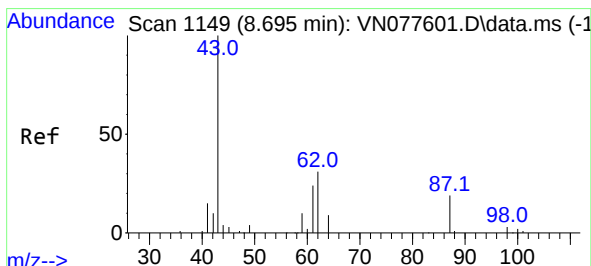
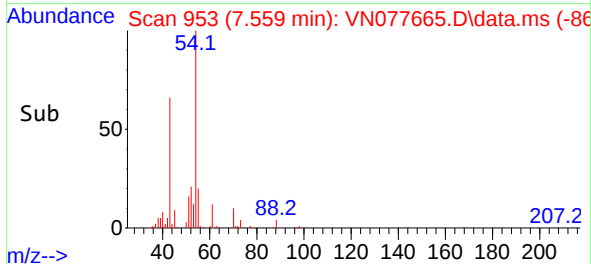
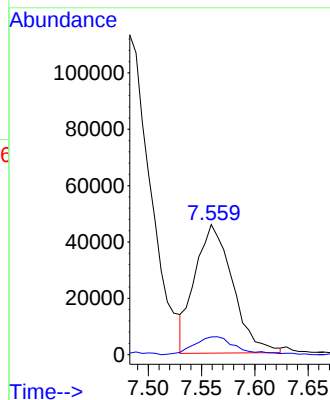
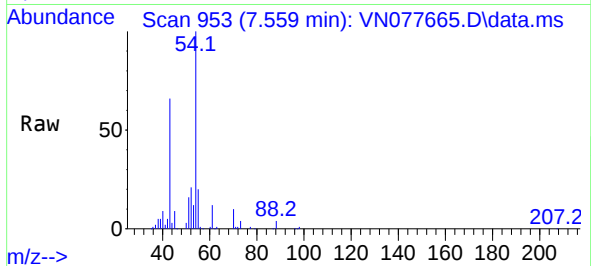




#43
Ethyl Acetate
Concen: 21.665 ug/l
RT: 7.559 min Scan# 911
Delta R.T. -0.007 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

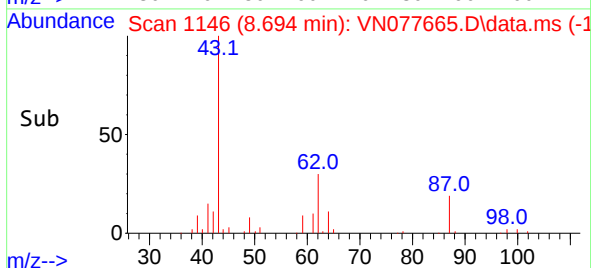
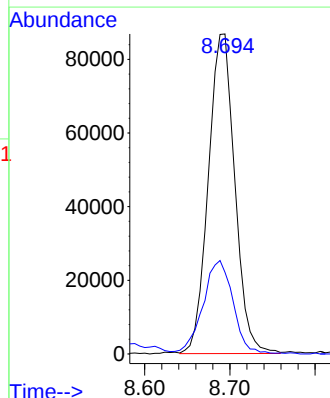
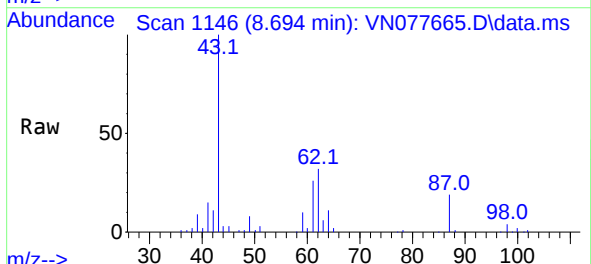
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

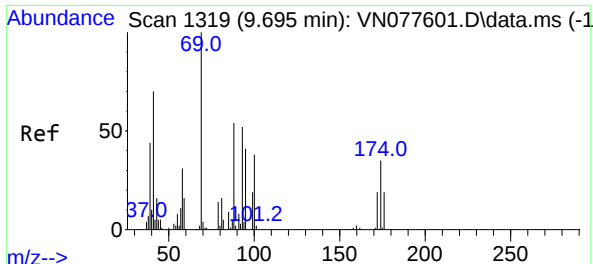
Tgt Ion: 43 Resp: 112061
Ion Ratio Lower Upper
43 100
45 14.5 8.2 12.4#



#44
Isopropyl Acetate
Concen: 19.796 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 43 Resp: 187475
Ion Ratio Lower Upper
43 100
61 33.3 23.2 34.8

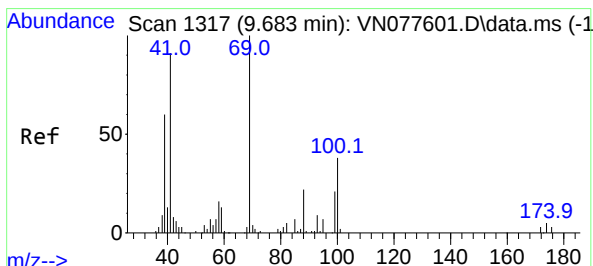
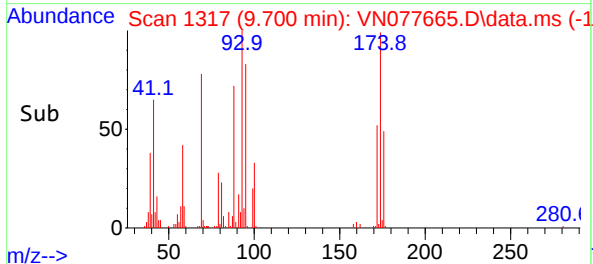
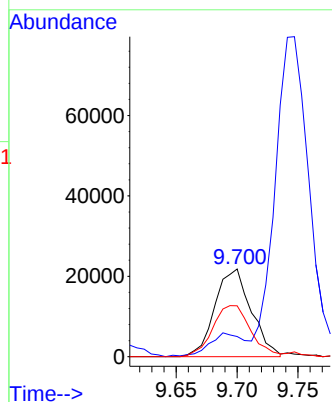
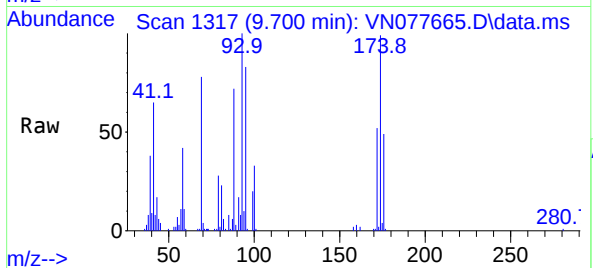




#45
1,4-Dioxane
Concen: 384.608 ug/l
RT: 9.700 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

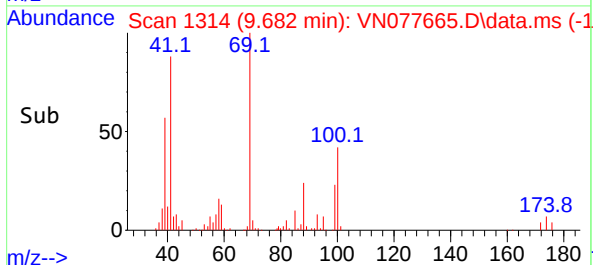
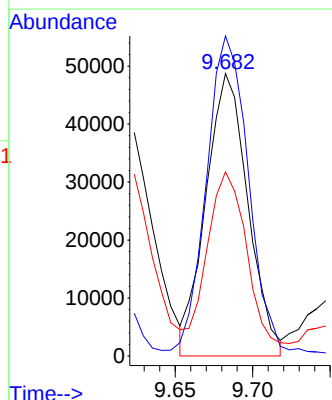
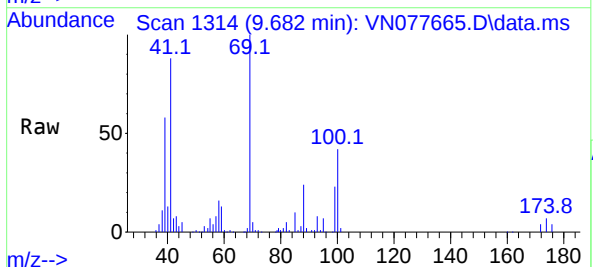
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

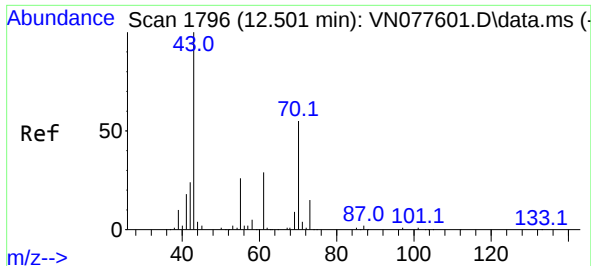
Tgt Ion: 88 Resp: 45277
Ion Ratio Lower Upper
88 100
43 27.3 18.2 27.2#
58 60.8 47.5 71.3



#46
Methyl methacrylate
Concen: 21.614 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 41 Resp: 91928
Ion Ratio Lower Upper
41 100
69 116.3 52.0 156.0
39 64.1 33.6 100.6





#47

n-amy1 Acetate

Concen: 18.181 ug/l

RT: 12.500 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

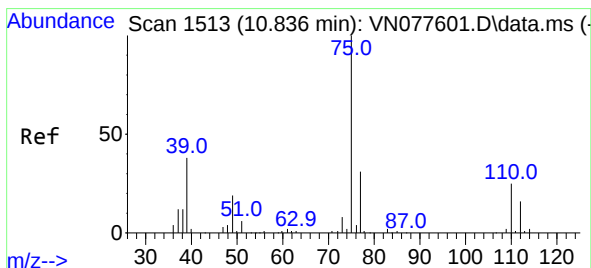
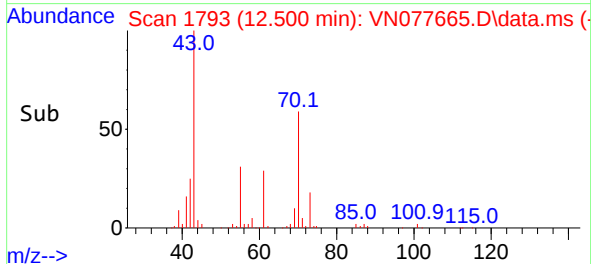
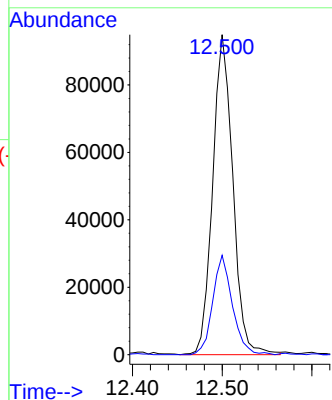
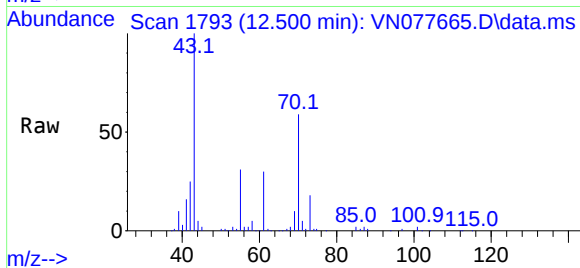
VSTDCCC020

Tgt Ion: 43 Resp: 148290

Ion Ratio Lower Upper

43 100

55 30.0 21.4 32.0



#48

t-1,3-Dichloropropene

Concen: 16.649 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. 0.005 min

Lab File: VN077665.D

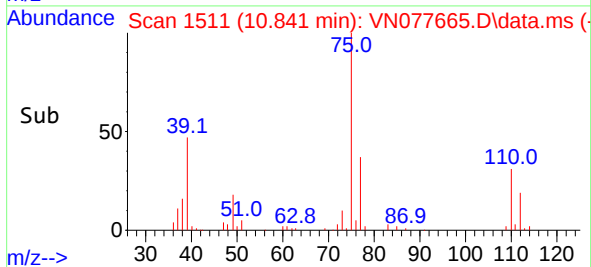
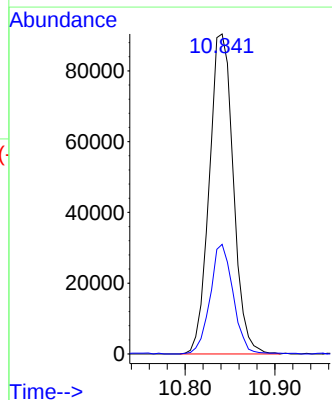
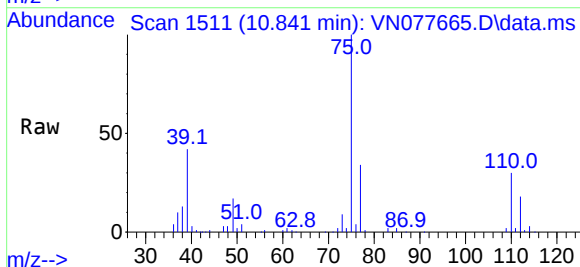
Acq: 12 May 2023 11:01

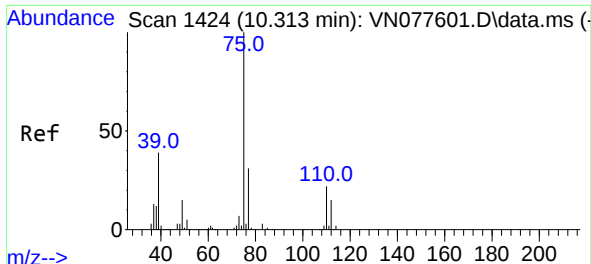
Tgt Ion: 75 Resp: 168197

Ion Ratio Lower Upper

75 100

77 34.2 25.1 37.7

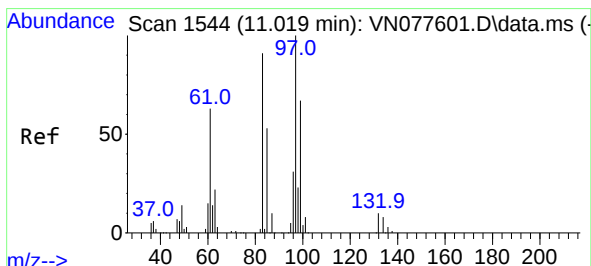
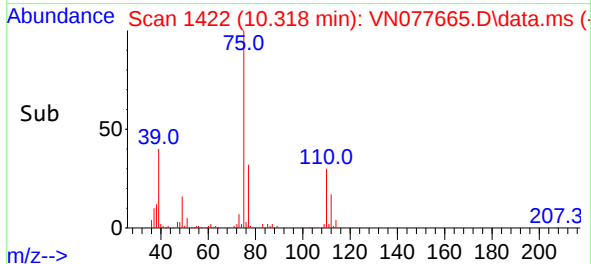
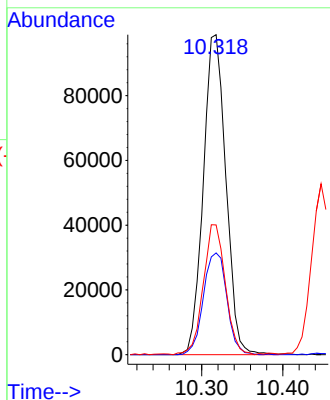
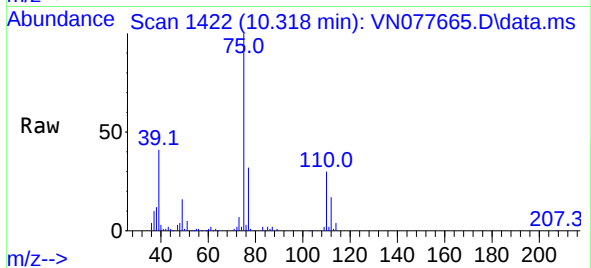




#49
cis-1,3-Dichloropropene
Concen: 17.253 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

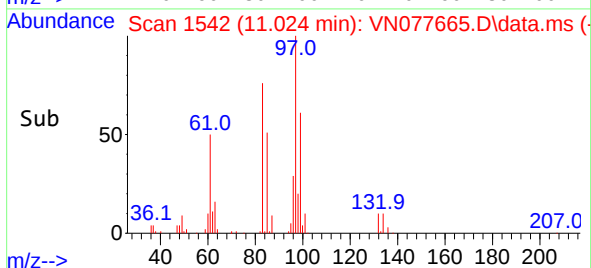
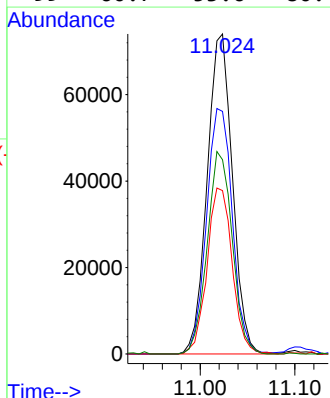
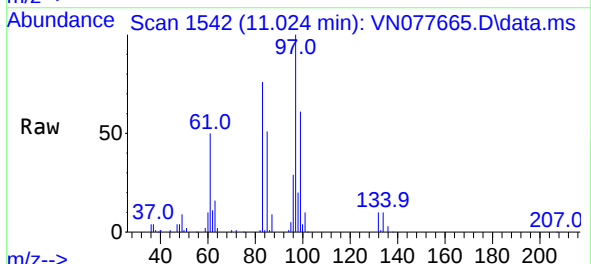
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

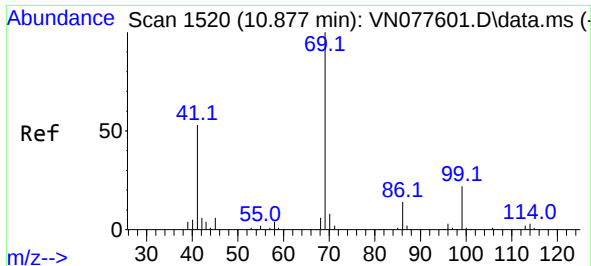
Tgt Ion: 75 Resp: 191037
Ion Ratio Lower Upper
75 100
77 31.8 24.7 37.1
39 40.3 31.0 46.6



#50
1,1,2-Trichloroethane
Concen: 19.141 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 97 Resp: 137177
Ion Ratio Lower Upper
97 100
83 75.8 72.6 108.8
85 51.1 42.6 63.8
99 60.7 53.6 80.4

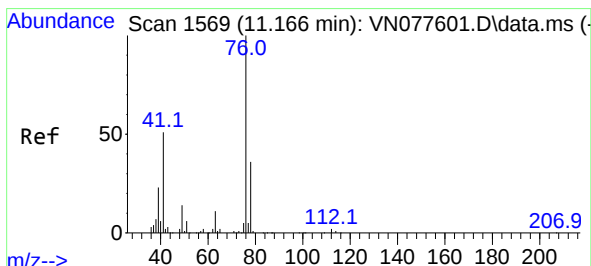
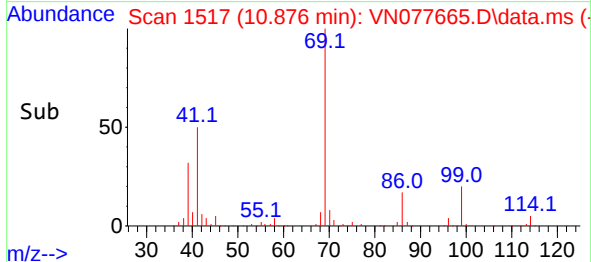
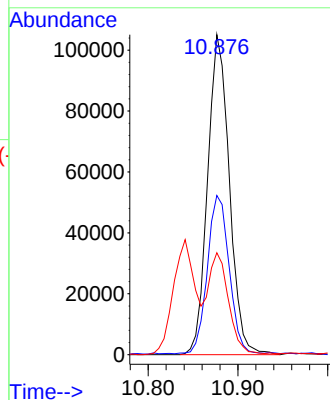
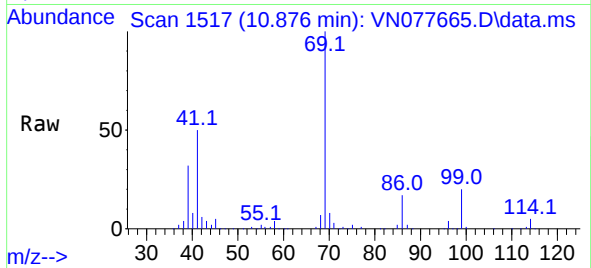




#51
Ethyl methacrylate
Concen: 19.145 ug/l
RT: 10.876 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

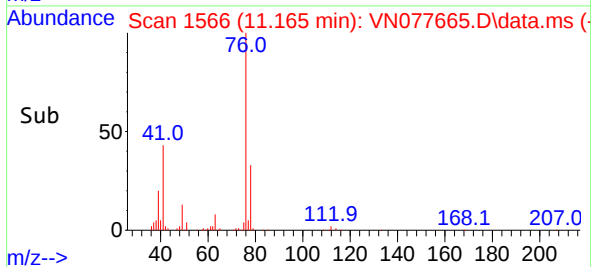
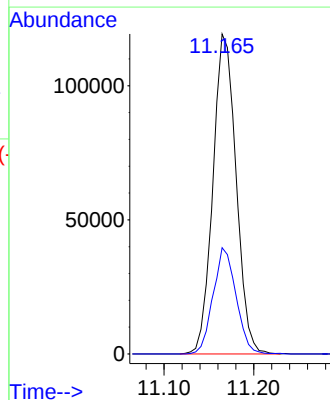
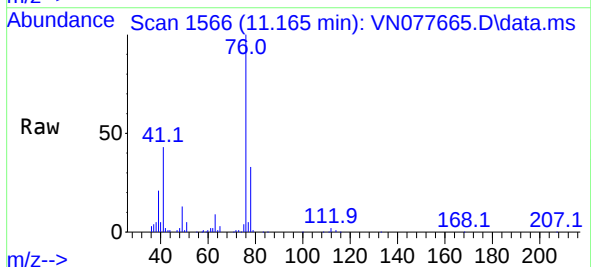
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

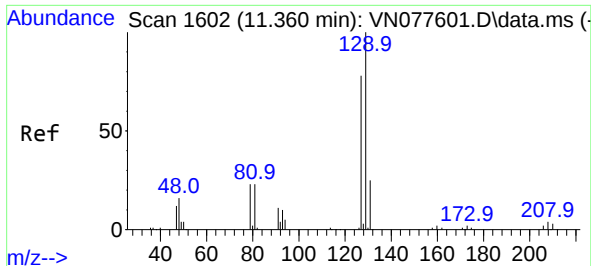
Tgt Ion: 69 Resp: 177111
Ion Ratio Lower Upper
69 100
41 49.4 26.3 78.9
39 31.6 18.1 54.1



#52
1,3-Dichloropropane
Concen: 18.481 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 76 Resp: 214149
Ion Ratio Lower Upper
76 100
78 32.8 0.0 66.4

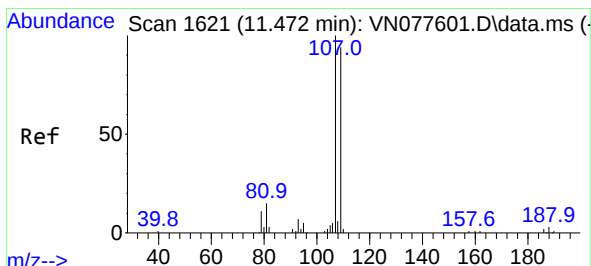
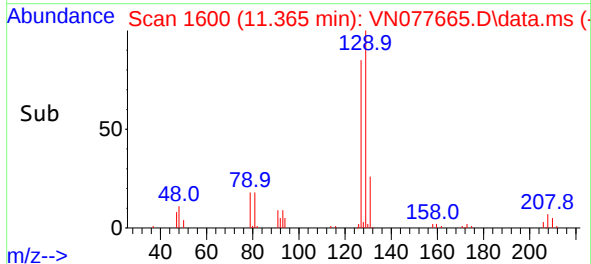
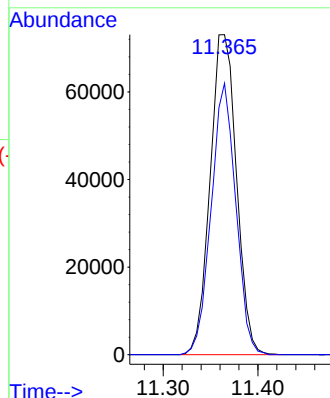
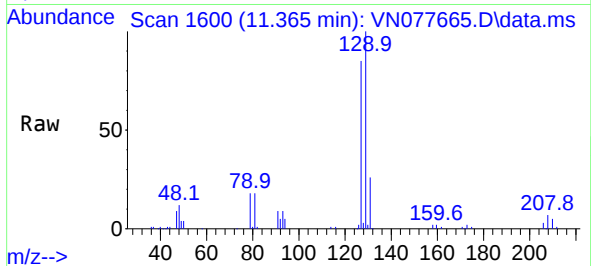




#53
Dibromochloromethane
Concen: 19.014 ug/l
RT: 11.365 min Scan# 1619
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

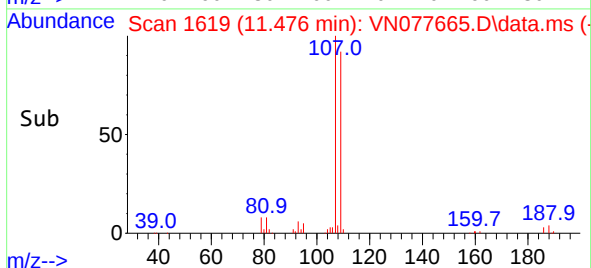
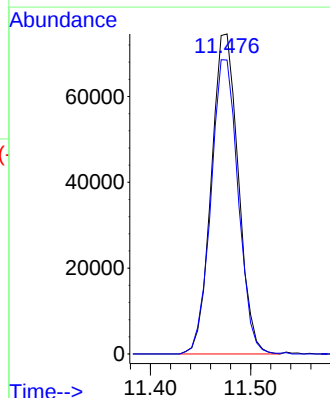
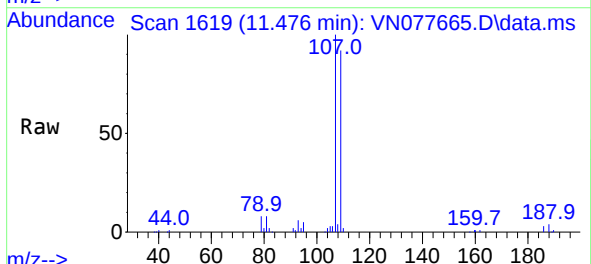
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

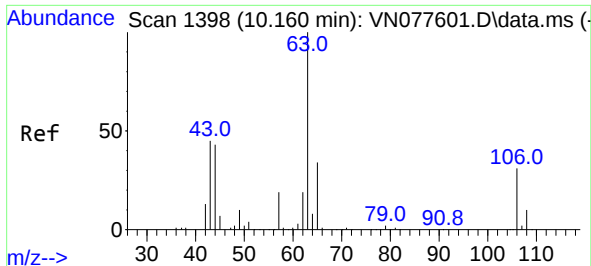
Tgt Ion:129 Resp: 141773
Ion Ratio Lower Upper
129 100
127 78.9 39.4 118.1



#54
1,2-Dibromoethane
Concen: 19.601 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.004 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion:107 Resp: 139534
Ion Ratio Lower Upper
107 100
109 92.5 77.4 116.2

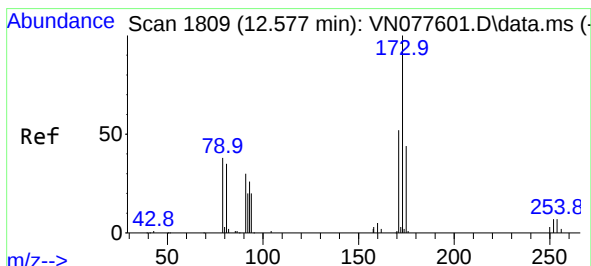
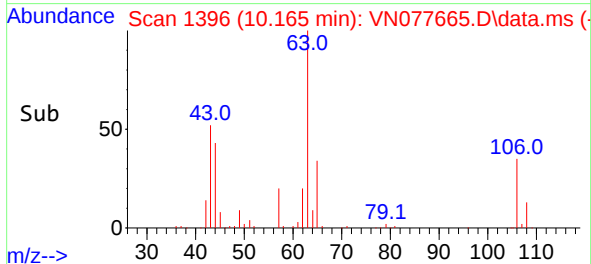
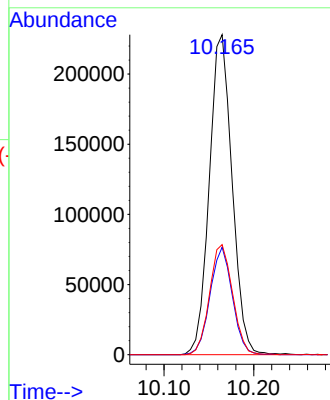
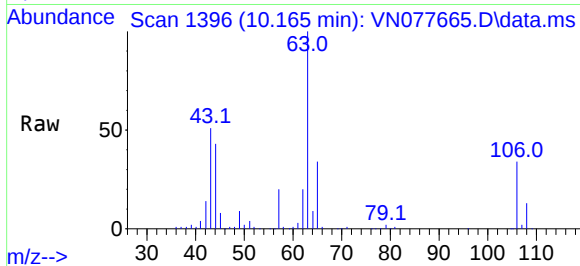




#55
2-Chloroethyl vinyl ether
Concen: 96.147 ug/l
RT: 10.165 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

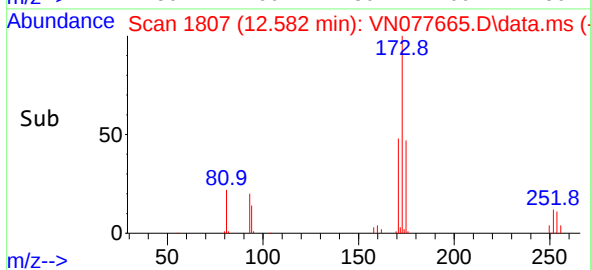
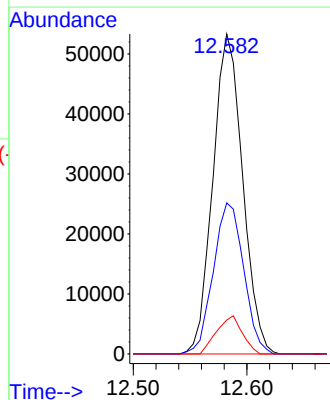
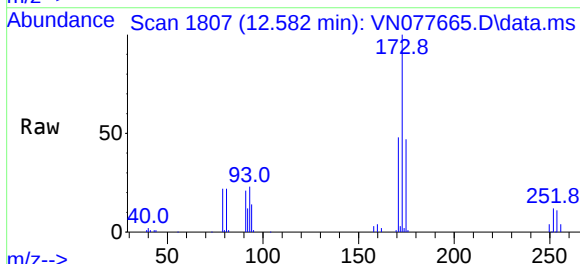
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

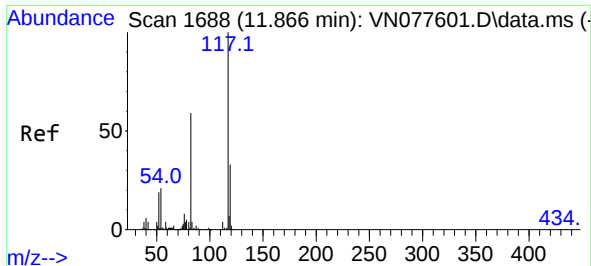
Tgt Ion: 63 Resp: 402227
Ion Ratio Lower Upper
63 100
65 32.7 26.8 40.2
106 34.7 25.6 38.4



#56
Bromoform
Concen: 22.125 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 173 Resp: 97069
Ion Ratio Lower Upper
173 100
175 48.2 39.4 59.2
254 10.2 5.8 8.6#

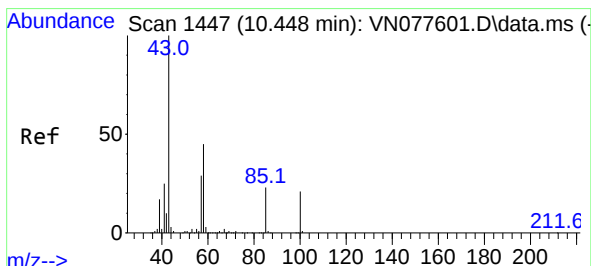
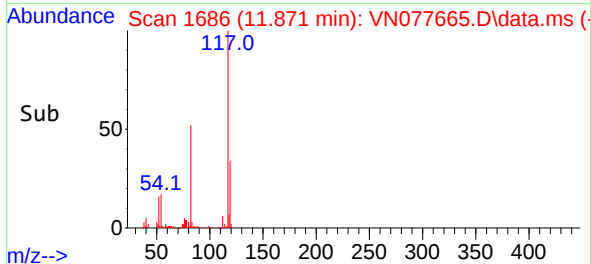
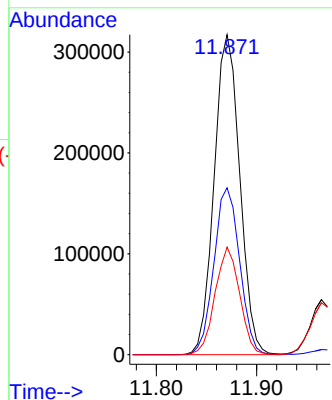
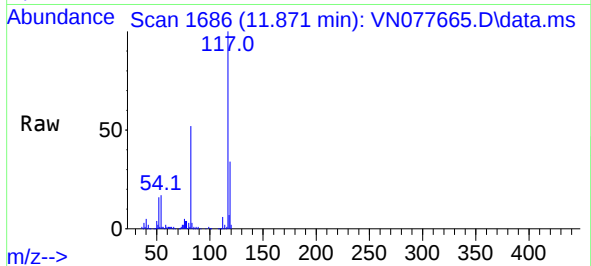




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

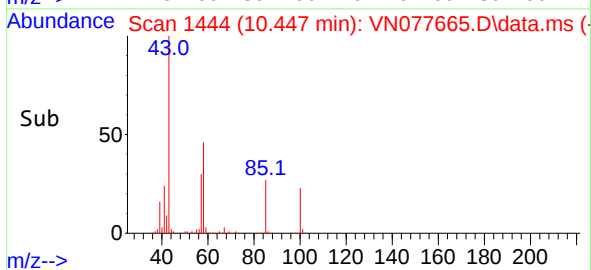
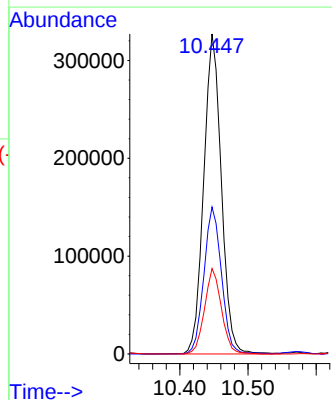
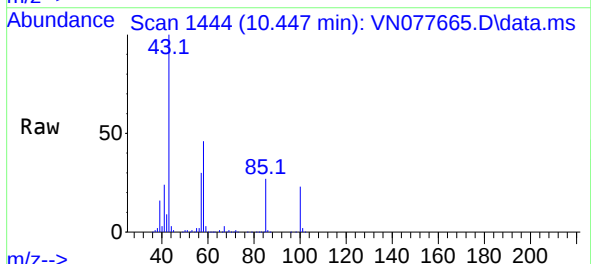
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

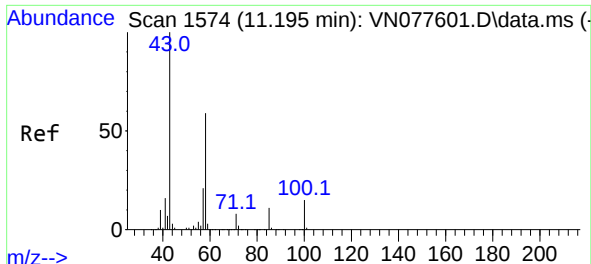
Tgt Ion:117 Resp: 563561
Ion Ratio Lower Upper
117 100
82 52.4 47.4 71.2
119 32.2 26.6 39.8



#58
4-Methyl-2-Pentanone
Concen: 113.206 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 43 Resp: 587515
Ion Ratio Lower Upper
43 100
58 45.7 35.4 53.2
85 25.6 18.2 27.2





#59

2-Hexanone

Concen: 114.232 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

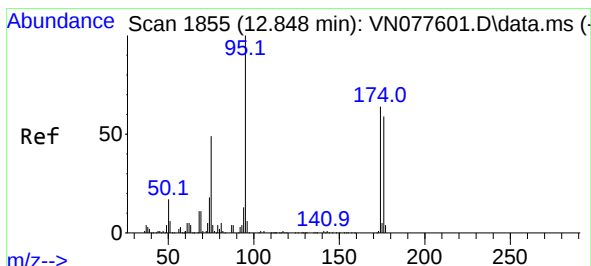
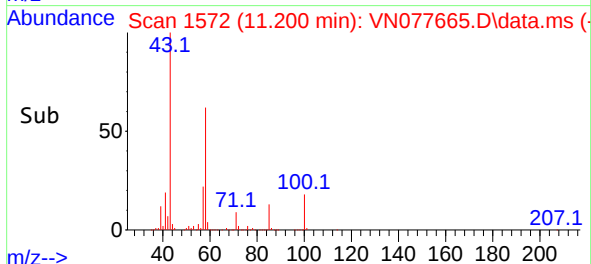
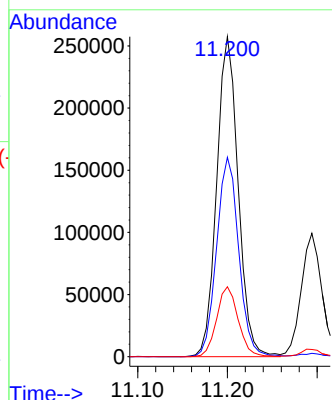
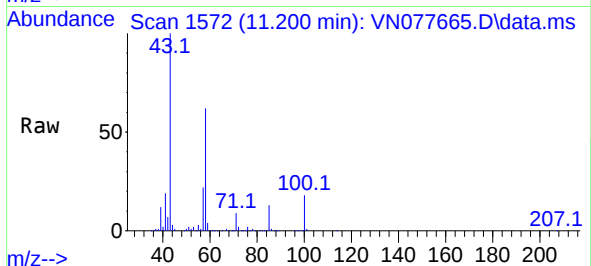
Tgt Ion: 43 Resp: 427949

Ion Ratio Lower Upper

43 100

58 64.1 48.2 72.2

57 21.9 17.3 25.9



#60

4-Bromofluorobenzene

Concen: 28.679 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.005 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

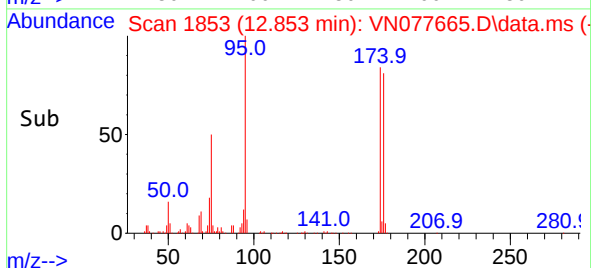
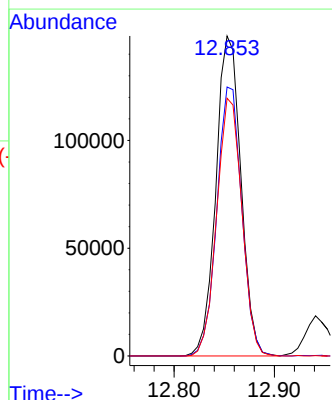
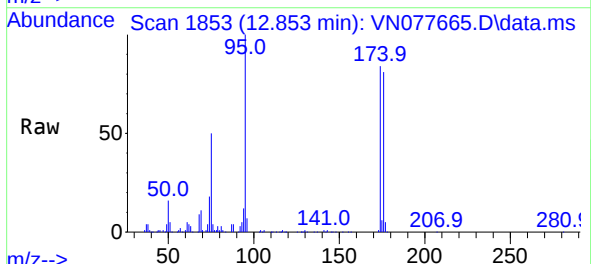
Tgt Ion: 95 Resp: 256997

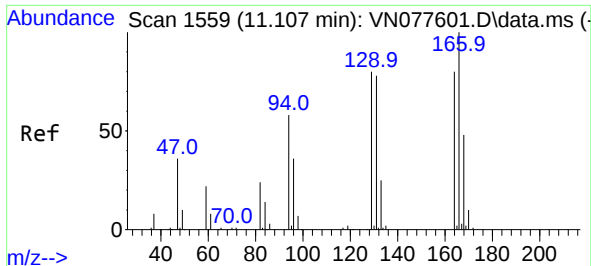
Ion Ratio Lower Upper

95 100

174 83.6 53.4 80.0#

176 80.9 50.0 75.0#

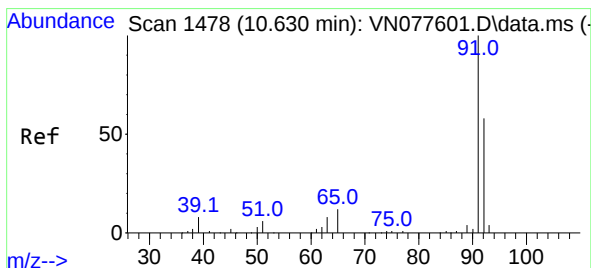
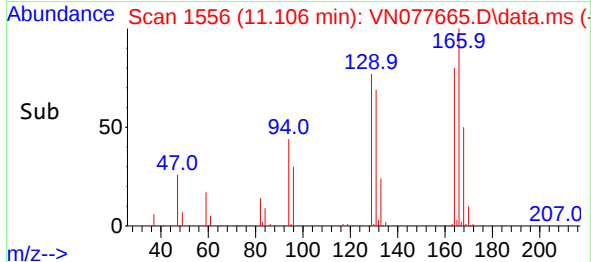
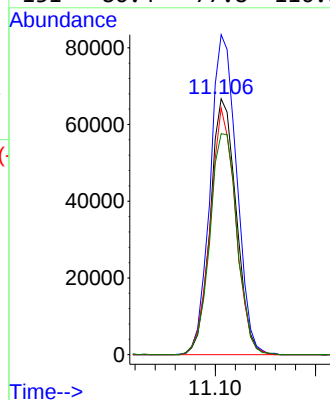
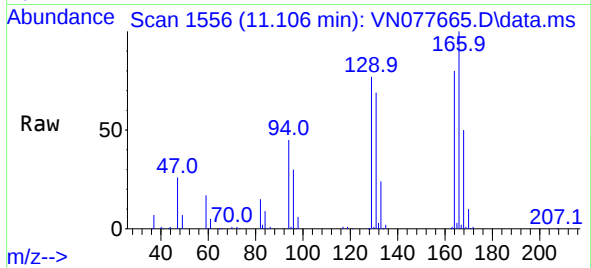




#61
Tetrachloroethene
Concen: 21.977 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

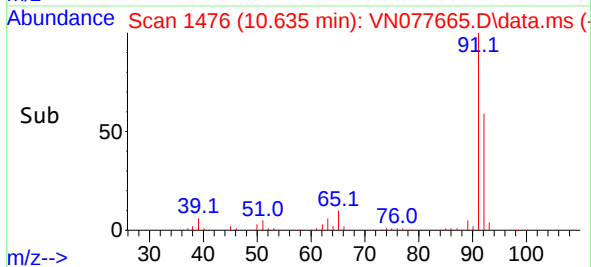
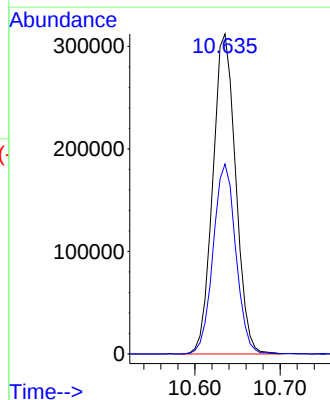
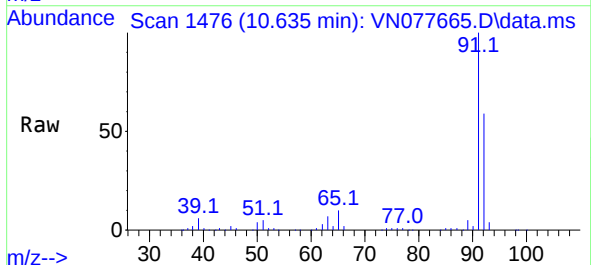
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

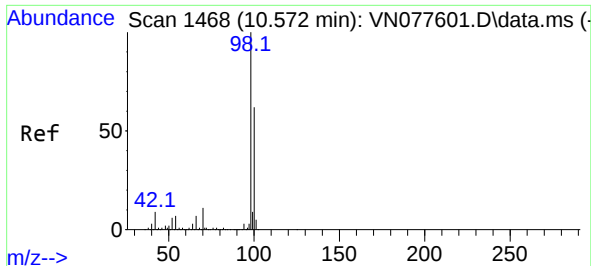
Tgt Ion:164 Resp: 119799
Ion Ratio Lower Upper
164 100
166 125.1 100.5 150.7
129 96.4 80.6 120.8
131 86.4 77.8 116.8



#62
Toluene
Concen: 18.671 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 91 Resp: 582544
Ion Ratio Lower Upper
91 100
92 58.8 47.0 70.6

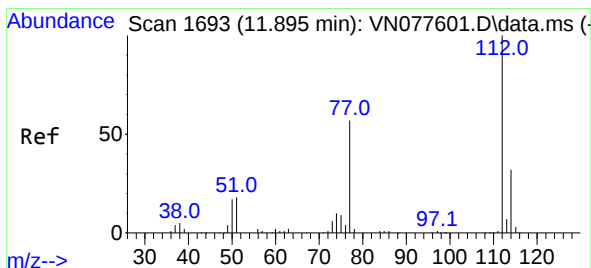
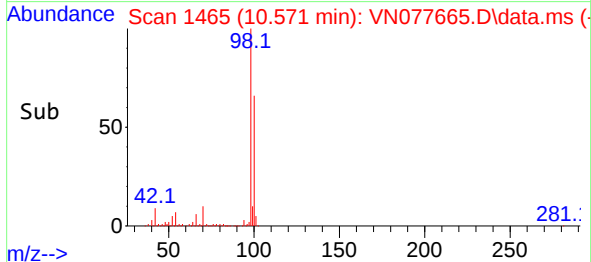
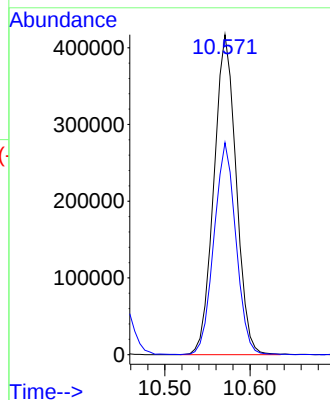
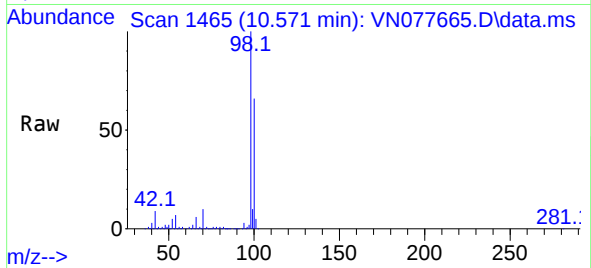




#63
Toluene-d8
Concen: 29.052 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

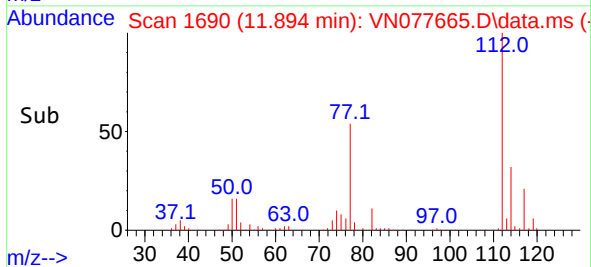
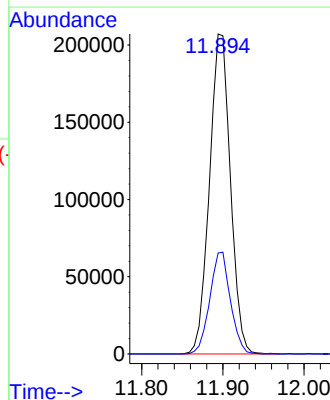
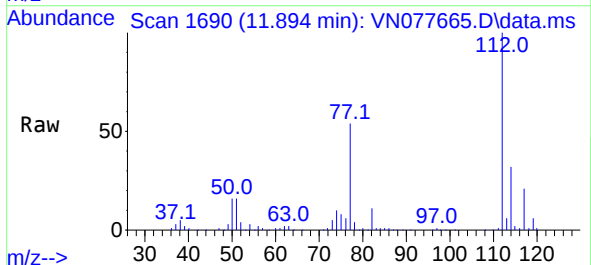
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

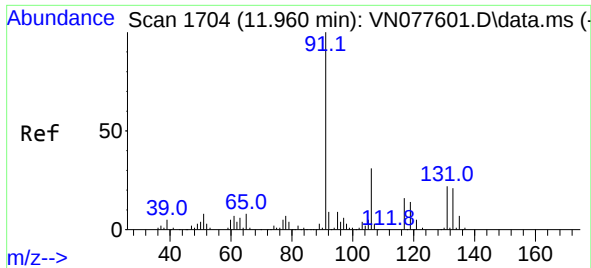
Tgt Ion: 98 Resp: 756208
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#64
Chlorobenzene
Concen: 19.352 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 112 Resp: 371329
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8

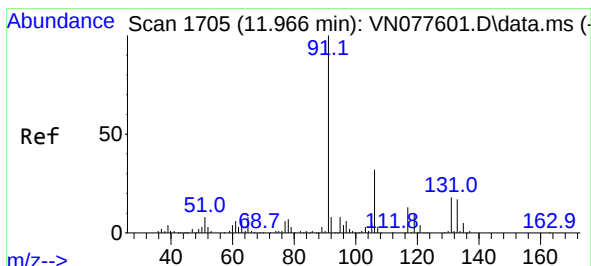
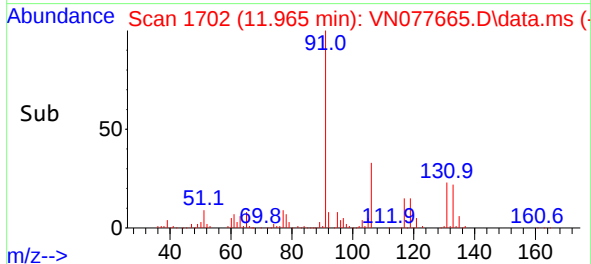
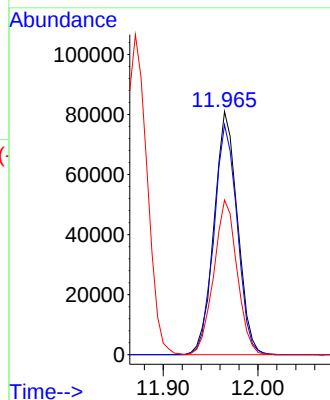
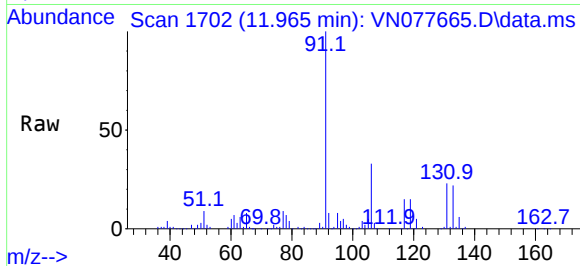




#65
1,1,1,2-Tetrachloroethane
Concen: 20.107 ug/l
RT: 11.965 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

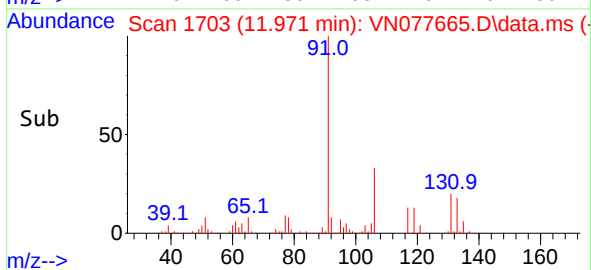
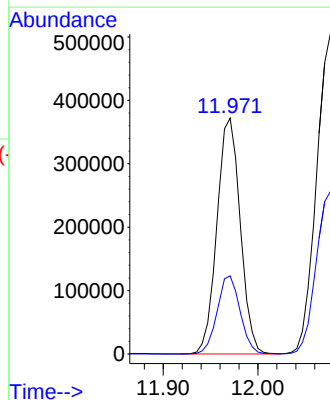
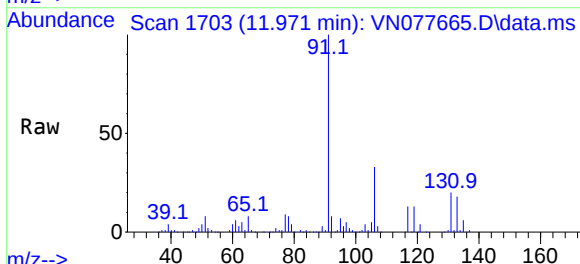
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

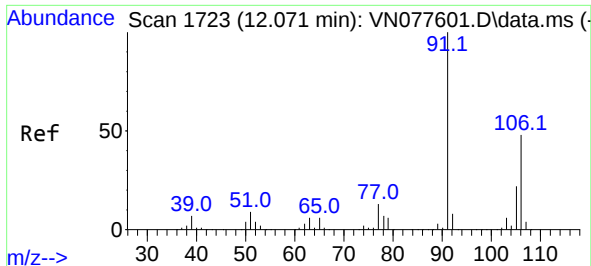
Tgt Ion:131 Resp: 139185
Ion Ratio Lower Upper
131 100
133 94.0 0.0 181.2
119 63.5 0.0 125.0



#66
Ethyl Benzene
Concen: 18.406 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 91 Resp: 636330
Ion Ratio Lower Upper
91 100
106 33.1 25.7 38.5

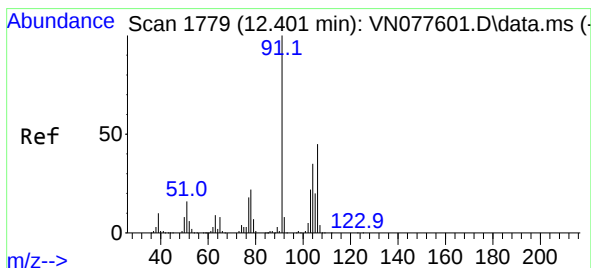
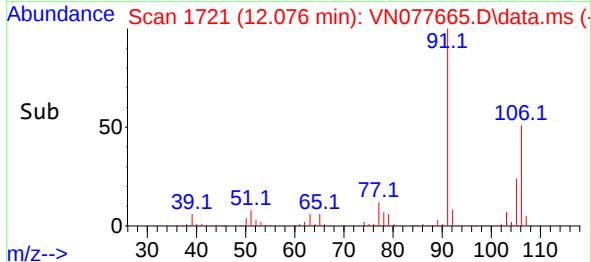
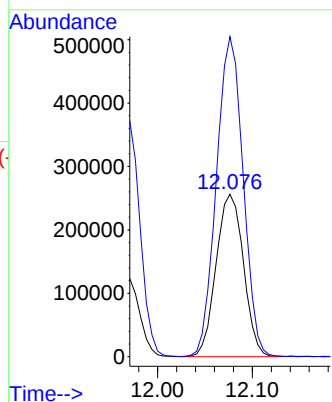
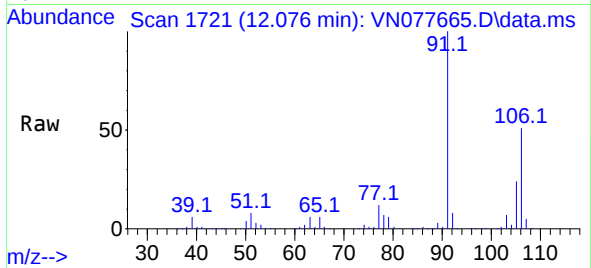




#67
m/p-Xylenes
Concen: 37.845 ug/l
RT: 12.076 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

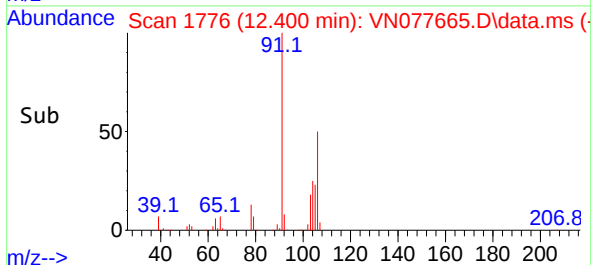
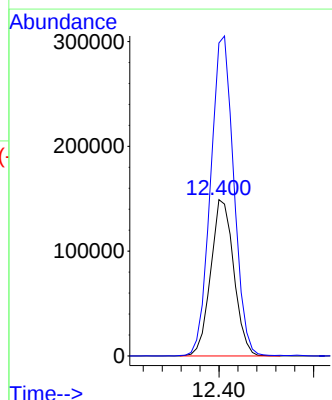
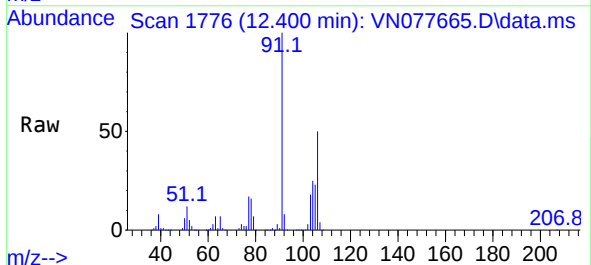
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

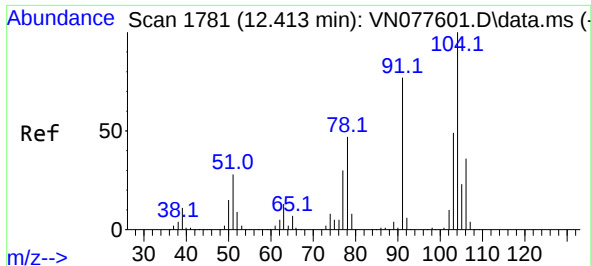
Tgt Ion:106 Resp: 514767
Ion Ratio Lower Upper
106 100
91 192.6 162.6 244.0



#68
o-Xylene
Concen: 18.831 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion:106 Resp: 252416
Ion Ratio Lower Upper
106 100
91 205.7 109.5 328.4





#69

Styrene

Concen: 18.538 ug/l

RT: 12.418 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

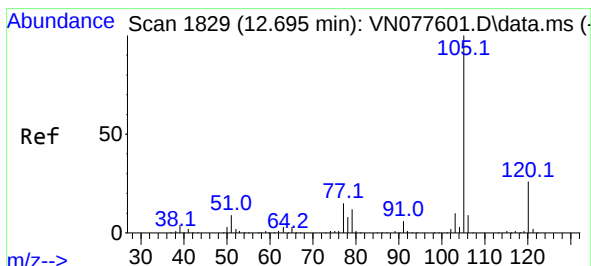
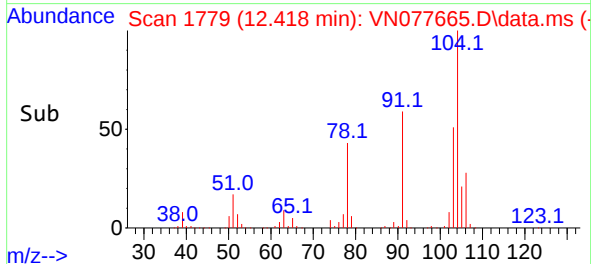
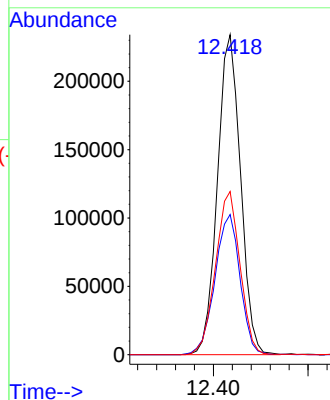
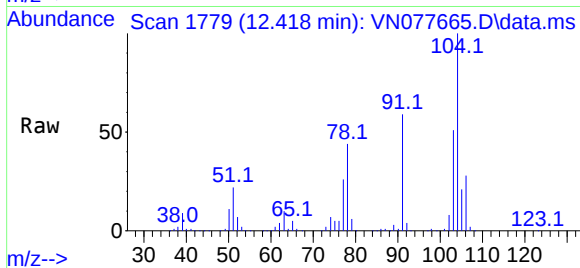
Tgt Ion:104 Resp: 397339

Ion Ratio Lower Upper

104 100

78 47.6 41.3 61.9

103 54.0 44.0 66.0



#70

Isopropylbenzene

Concen: 18.534 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.005 min

Lab File: VN077665.D

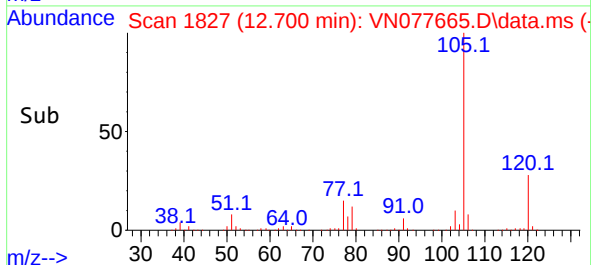
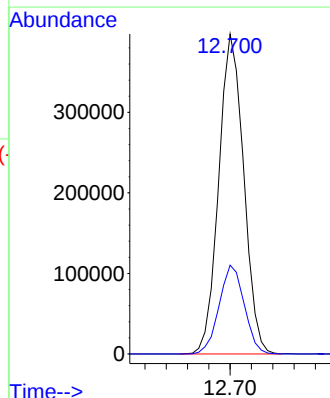
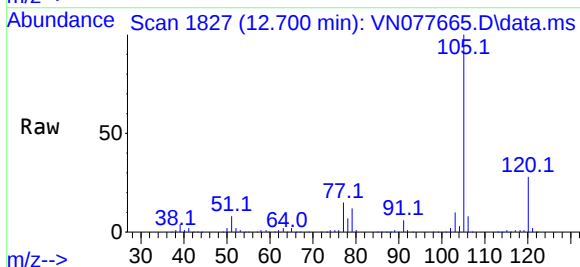
Acq: 12 May 2023 11:01

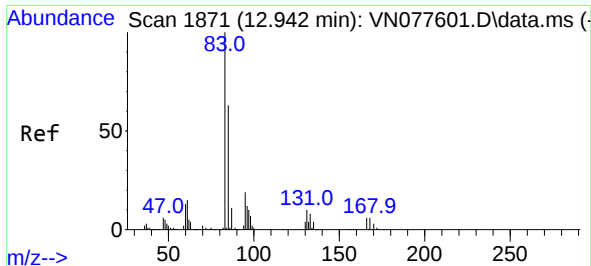
Tgt Ion:105 Resp: 645290

Ion Ratio Lower Upper

105 100

120 27.9 18.5 34.3

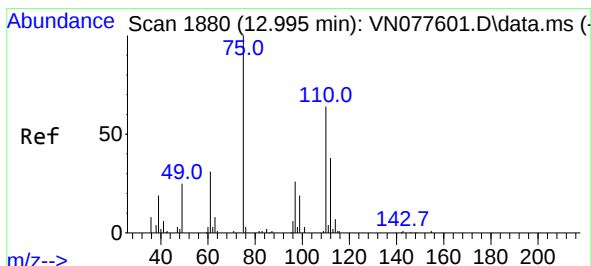
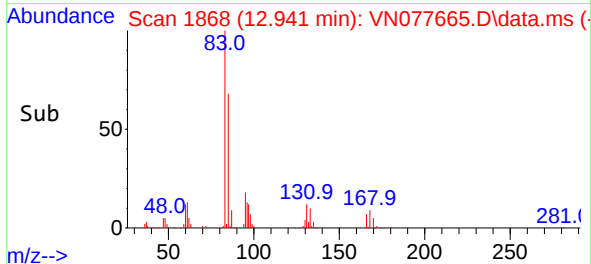
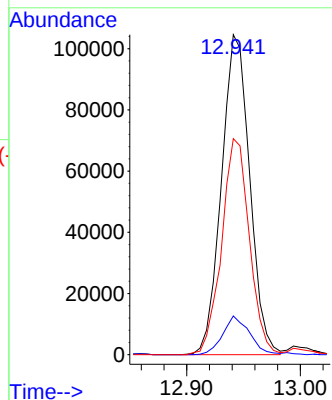
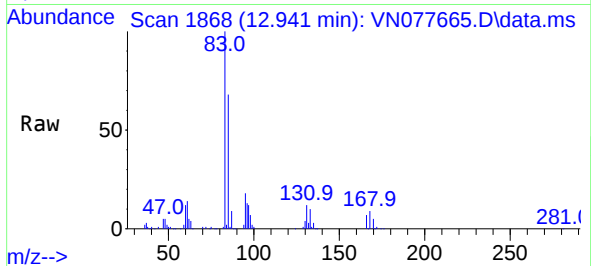




#71
1,1,2,2-Tetrachloroethane
Concen: 19.346 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

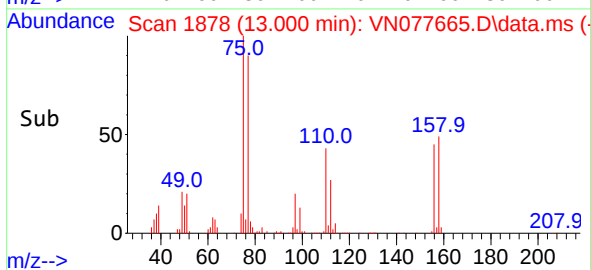
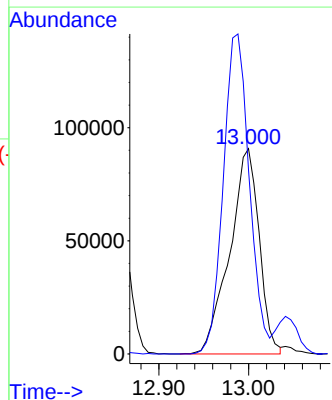
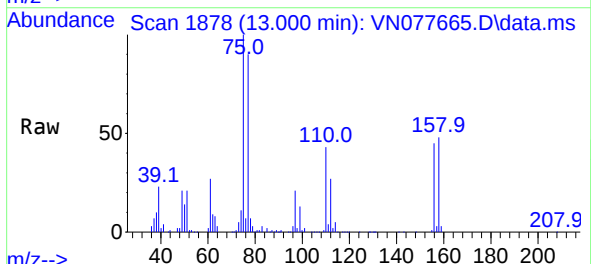
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

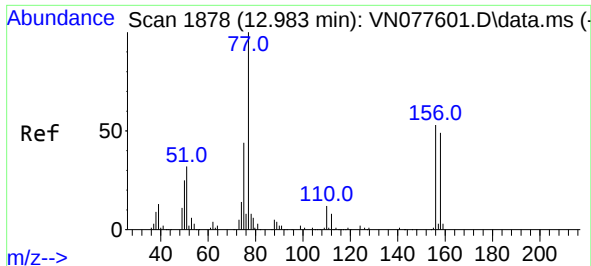
Tgt Ion: 83 Resp: 180632
Ion Ratio Lower Upper
83 100
131 11.5 4.8 14.3
85 66.2 33.4 100.2



#72
1,2,3-Trichloropropane
Concen: 26.609 ug/l
RT: 13.000 min Scan# 1878
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 75 Resp: 206723
Ion Ratio Lower Upper
75 100
77 138.0 0.0 354.6

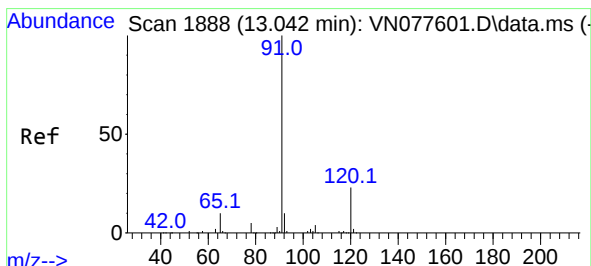
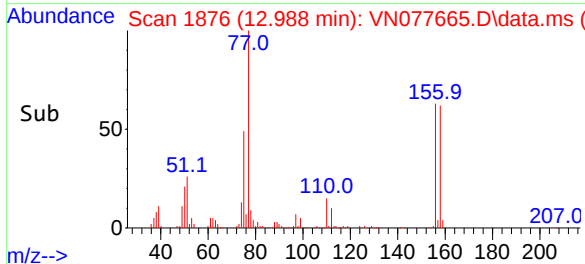
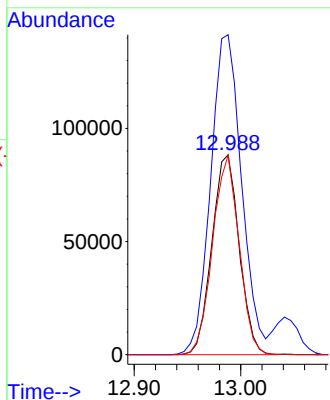
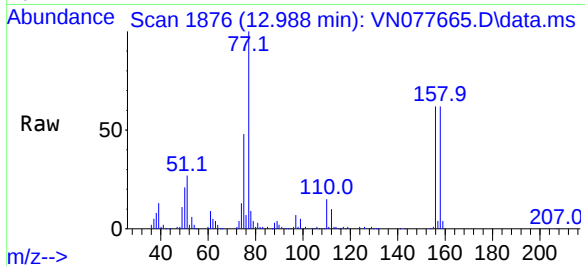




#73
Bromobenzene
Concen: 21.568 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

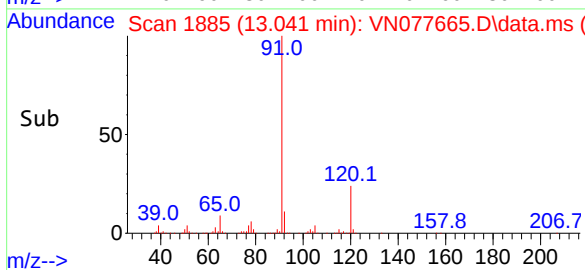
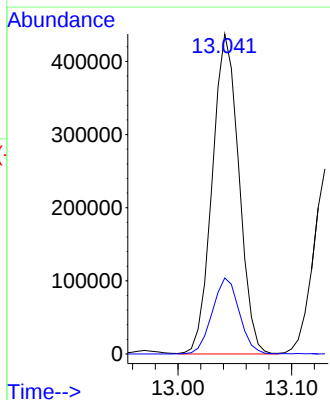
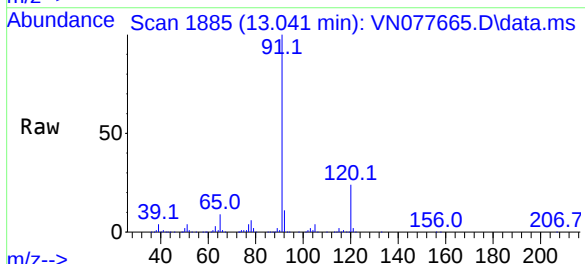
Instrument :
MSVOA_N
ClientSampleId :
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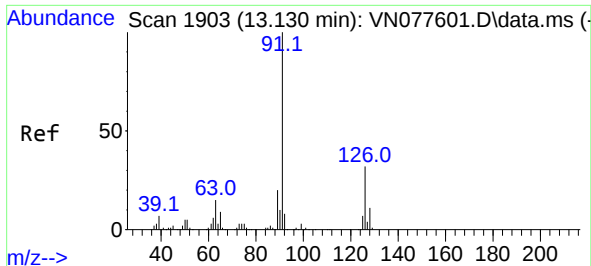
Tgt Ion:156 Resp: 157020
Ion Ratio Lower Upper
156 100
77 181.7 0.0 466.4
158 96.7 0.0 196.2



#74
n-propylbenzene
Concen: 18.309 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 91 Resp: 712753
Ion Ratio Lower Upper
91 100
120 24.0 0.0 45.6

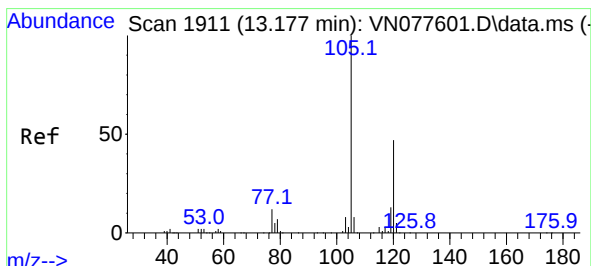
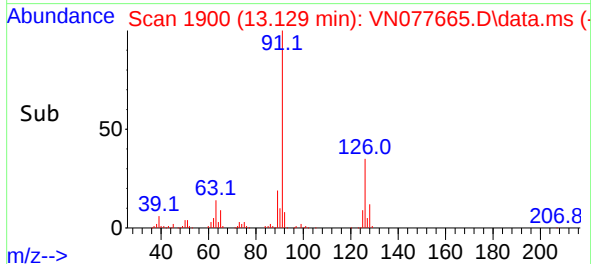
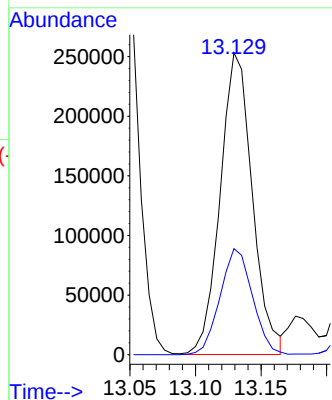
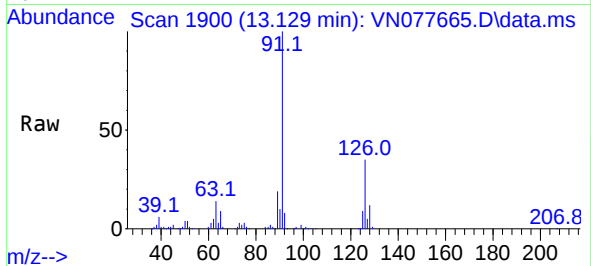




#75
2-Chlorotoluene
Concen: 18.319 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

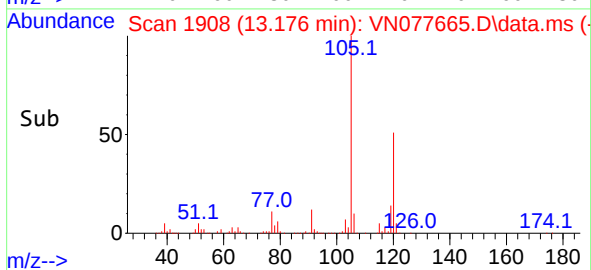
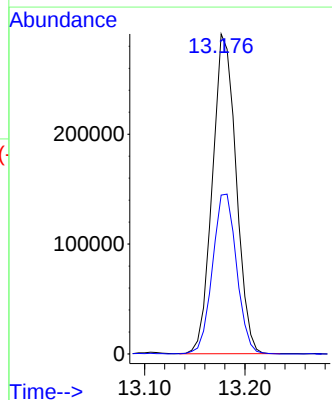
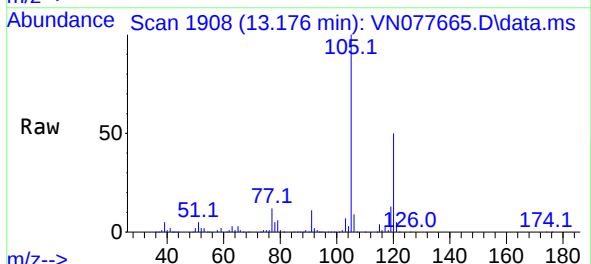
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

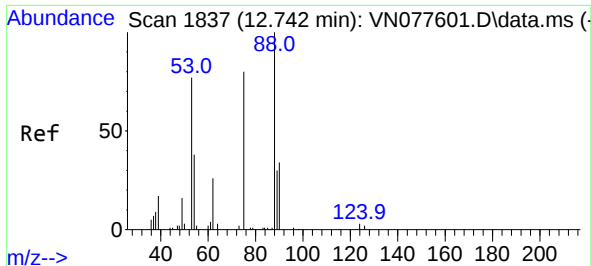
Tgt Ion: 91 Resp: 431306
Ion Ratio Lower Upper
91 100
126 35.4 0.0 65.0



#76
1,3,5-Trimethylbenzene
Concen: 17.343 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion:105 Resp: 477203
Ion Ratio Lower Upper
105 100
120 51.0 0.0 95.2

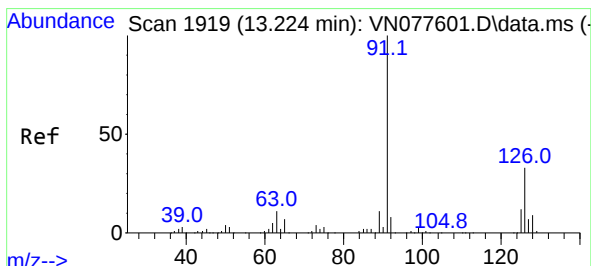
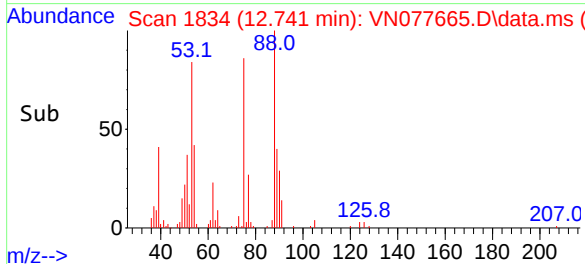
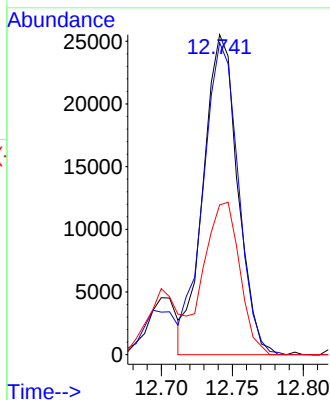
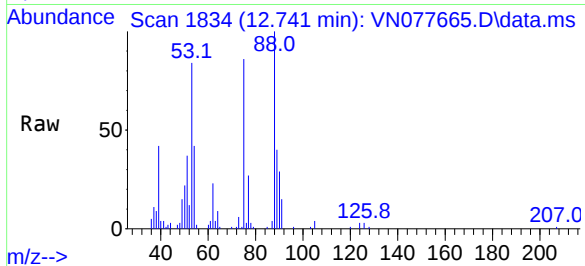




#77
t-1,4-Dichloro-2-butene
Concen: 15.801 ug/l
RT: 12.741 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

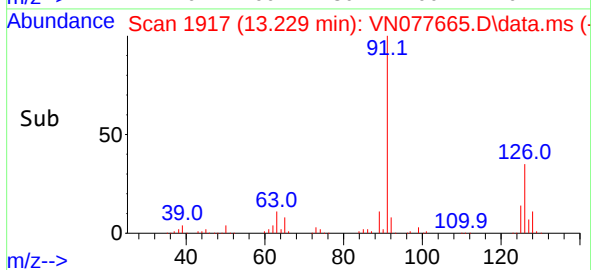
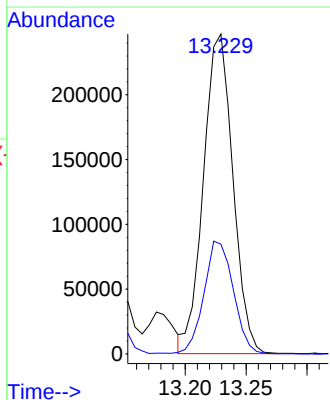
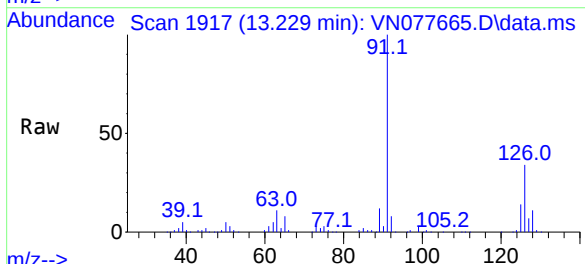
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

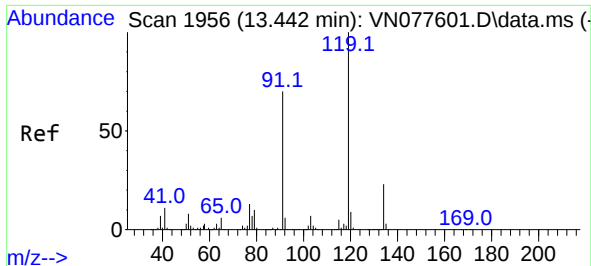
Tgt Ion: 75 Resp: 42765
Ion Ratio Lower Upper
75 100
53 96.8 46.9 140.7
89 46.8 21.0 63.0



#78
4-Chlorotoluene
Concen: 18.099 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 91 Resp: 416082
Ion Ratio Lower Upper
91 100
126 35.3 0.0 64.6

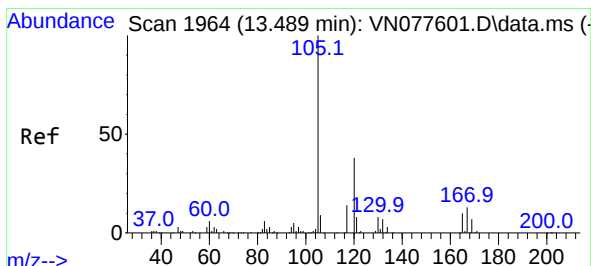
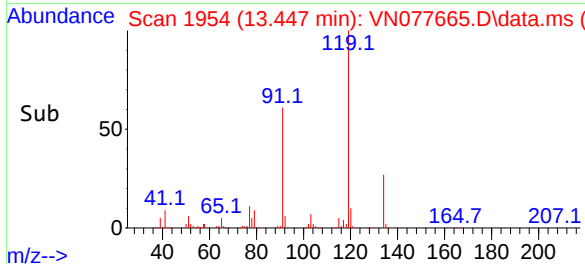
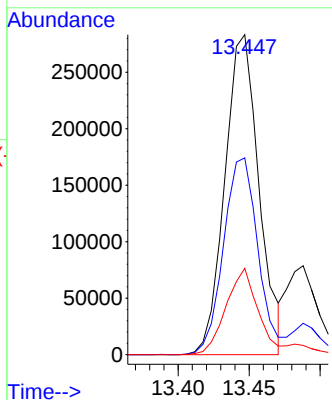
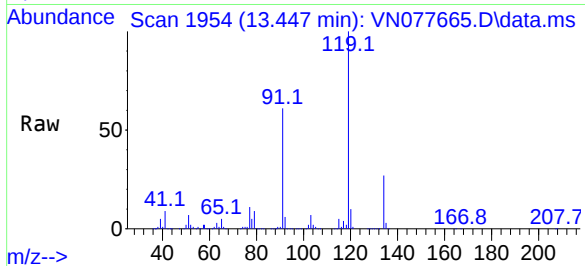




#79
tert-butylbenzene
Concen: 19.260 ug/l
RT: 13.447 min Scan# 1956
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

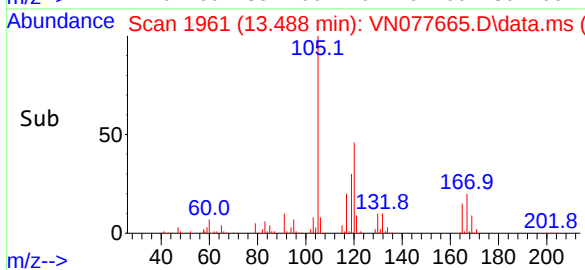
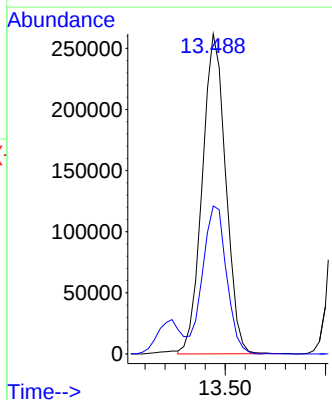
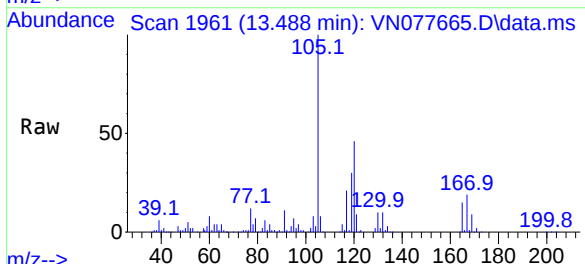
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

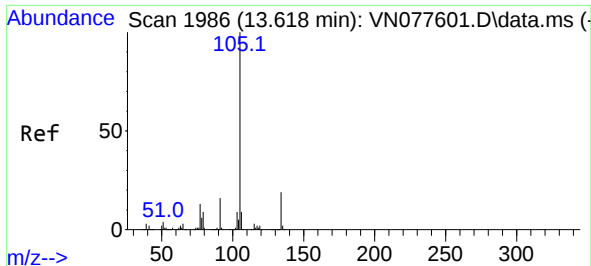
Tgt Ion:119 Resp: 474623
Ion Ratio Lower Upper
119 100
91 61.6 0.0 141.6
134 25.0 0.0 46.6



#80
1,2,4-Trimethylbenzene
Concen: 15.947 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion:105 Resp: 425846
Ion Ratio Lower Upper
105 100
120 47.8 0.0 88.0

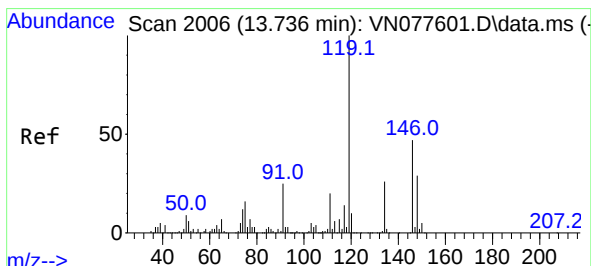
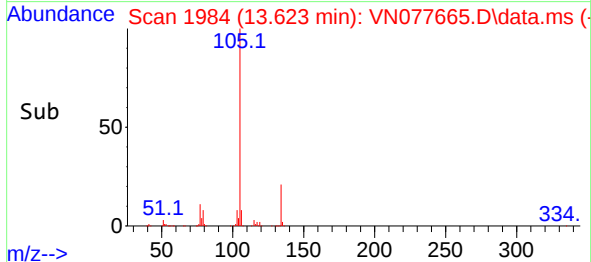
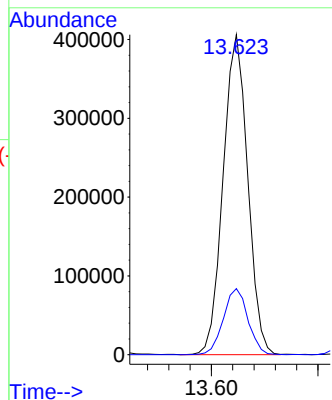
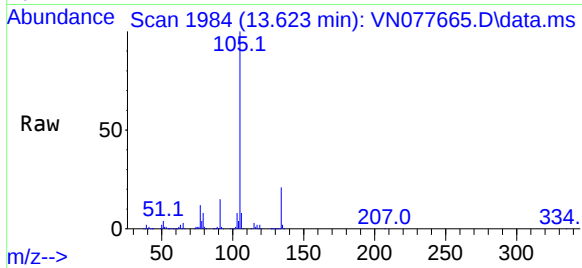




#81
 sec-Butylbenzene
 Concen: 18.799 ug/l
 RT: 13.623 min Scan# 1986
 Delta R.T. 0.005 min
 Lab File: VN077665.D
 Acq: 12 May 2023 11:01

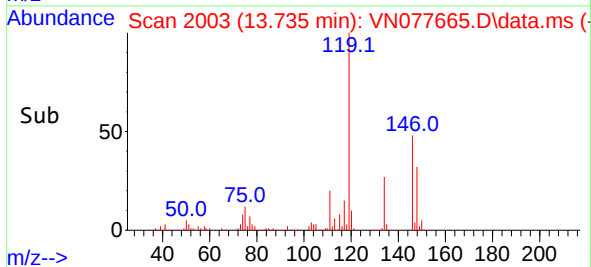
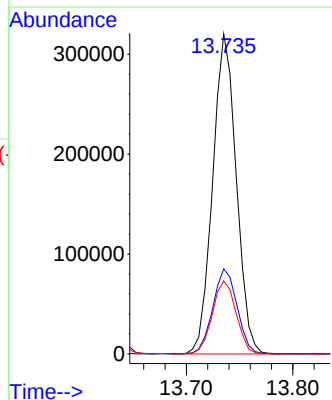
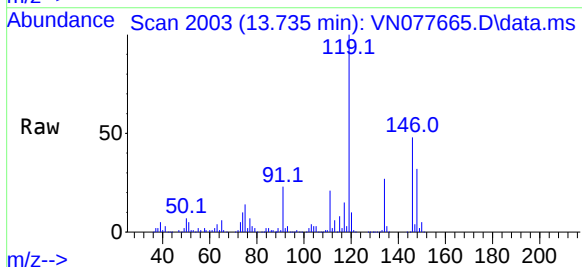
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

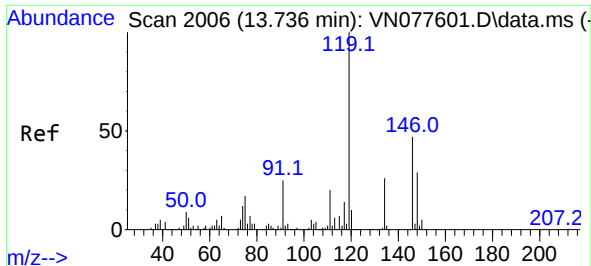
Tgt Ion:105 Resp: 650260
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 37.8



#82
 p-Isopropyltoluene
 Concen: 17.891 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.001 min
 Lab File: VN077665.D
 Acq: 12 May 2023 11:01

Tgt Ion:119 Resp: 492375
 Ion Ratio Lower Upper
 119 100
 134 27.3 0.0 52.2
 91 23.0 0.0 51.2

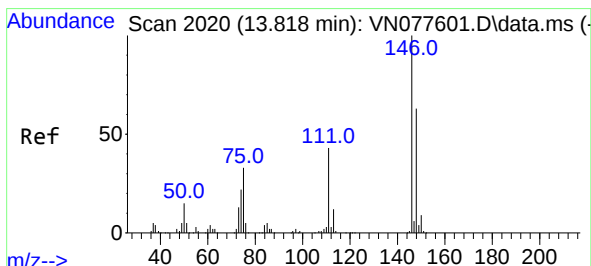
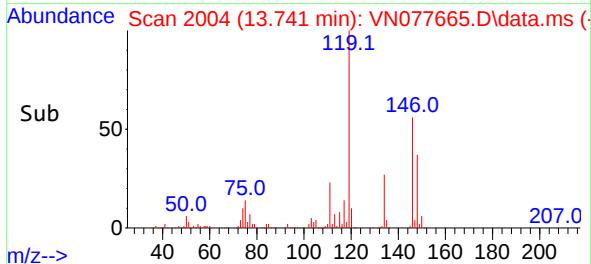
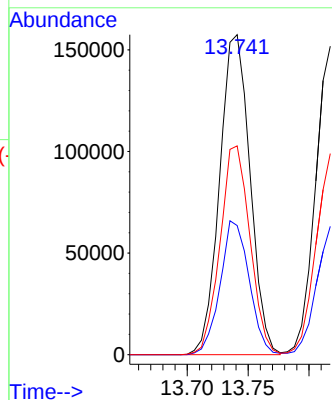
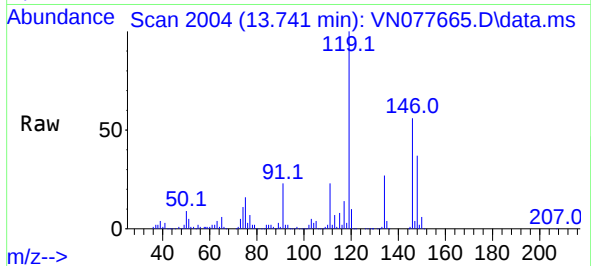




#83
1,3-Dichlorobenzene
Concen: 20.242 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

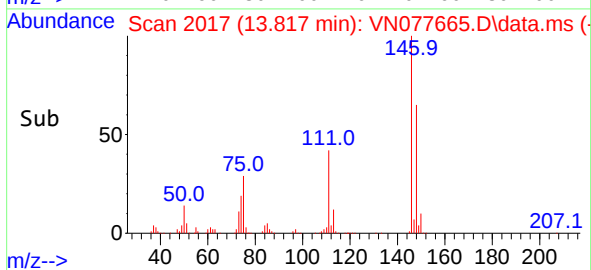
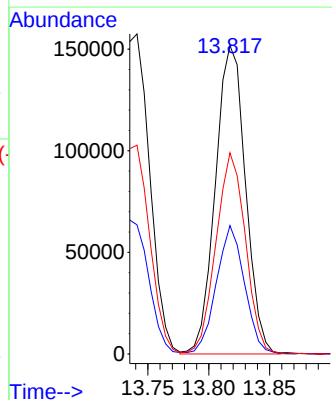
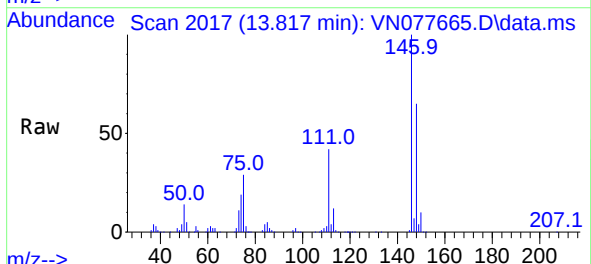
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

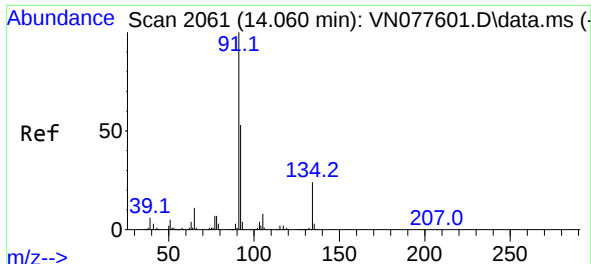
Tgt Ion:146 Resp: 273655
Ion Ratio Lower Upper
146 100
111 39.9 22.1 66.1
148 64.3 32.5 97.4



#84
1,4-Dichlorobenzene
Concen: 19.735 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion:146 Resp: 261177
Ion Ratio Lower Upper
146 100
111 38.9 20.8 62.4
148 63.8 31.1 93.5

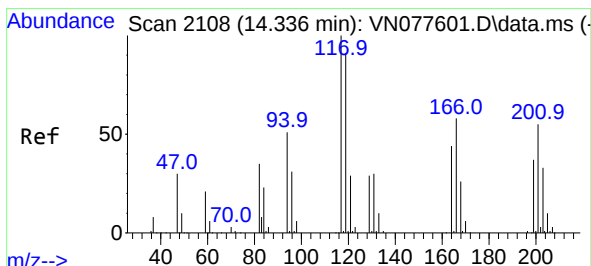
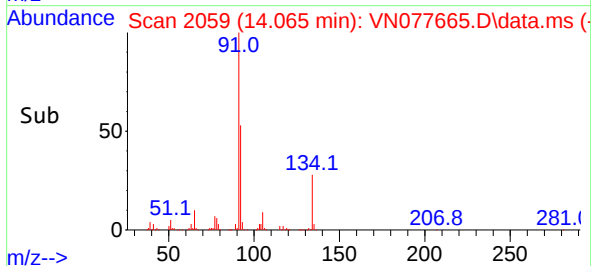
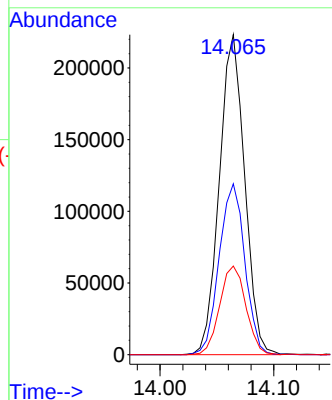
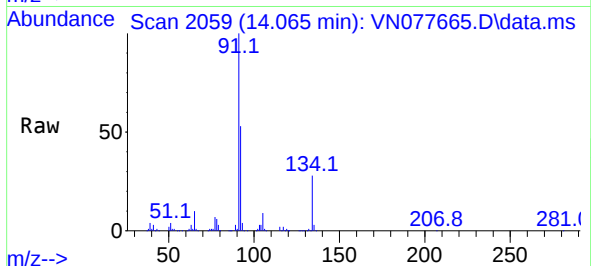




#85
n-Butylbenzene
Concen: 15.284 ug/l
RT: 14.065 min Scan# 2061
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

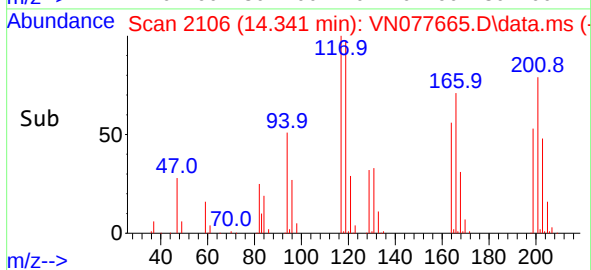
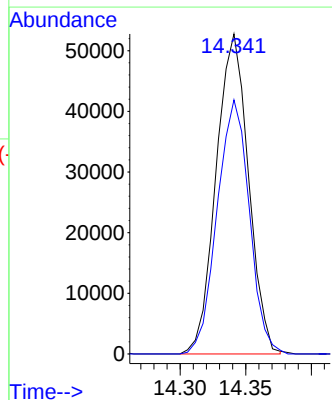
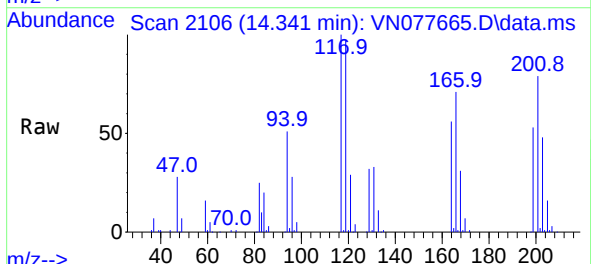
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

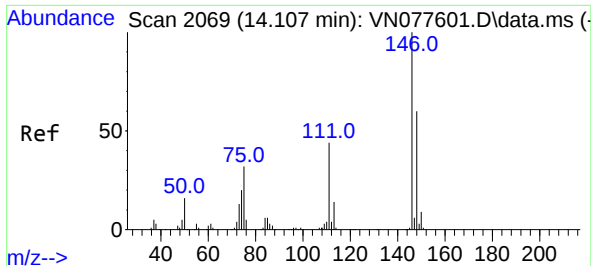
Tgt Ion: 91 Resp: 346050
Ion Ratio Lower Upper
91 100
92 54.2 0.0 107.0
134 28.6 0.0 50.2



#86
Hexachloroethane
Concen: 17.630 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion: 117 Resp: 90426
Ion Ratio Lower Upper
117 100
201 79.0 28.1 84.4





#87

1,2-Dichlorobenzene

Concen: 20.414 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.005 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

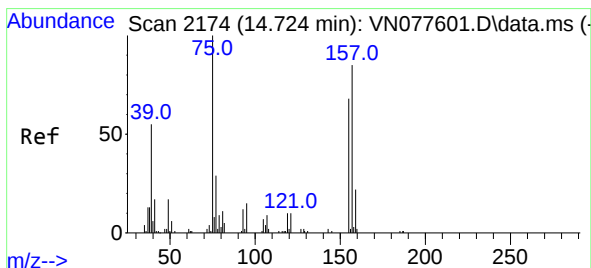
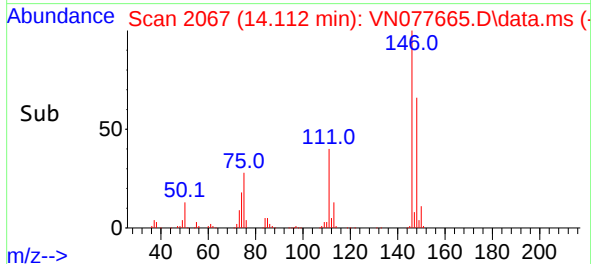
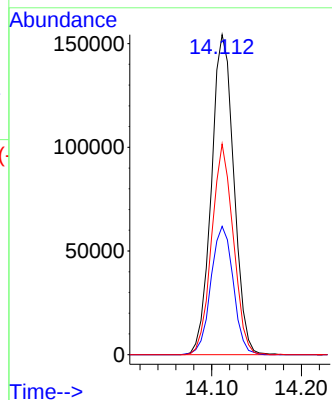
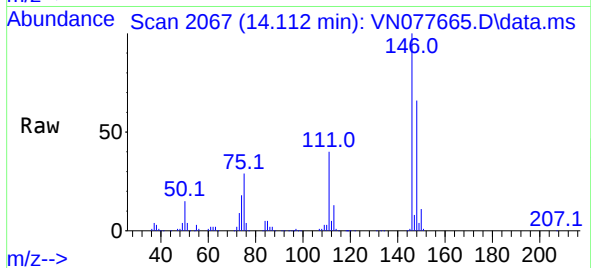
Tgt Ion:146 Resp: 267891

Ion Ratio Lower Upper

146 100

111 39.9 22.7 68.0

148 63.5 31.0 93.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.207 ug/l

RT: 14.729 min Scan# 2172

Delta R.T. 0.005 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

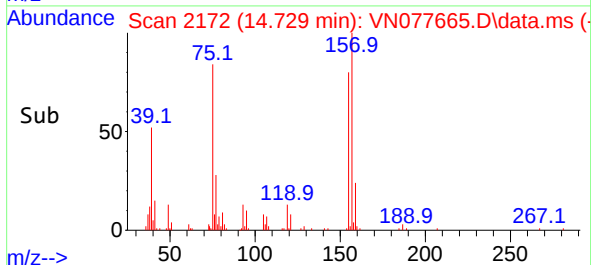
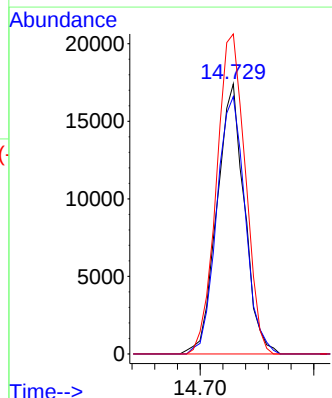
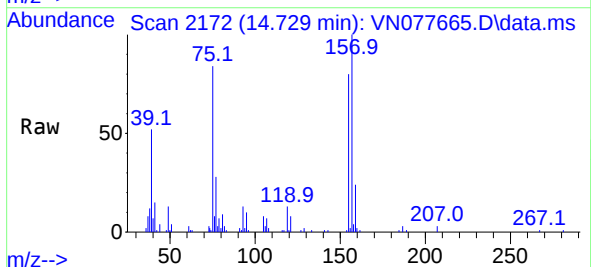
Tgt Ion: 75 Resp: 29195

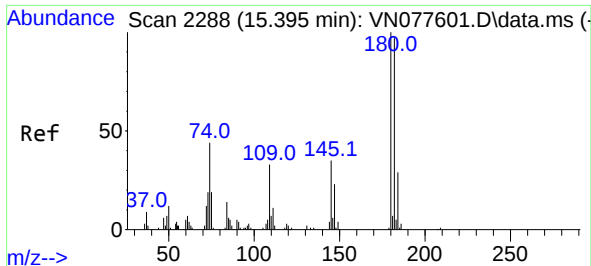
Ion Ratio Lower Upper

75 100

155 98.5 63.1 94.7#

157 124.2 75.5 113.3#





#89

1,2,4-Trichlorobenzene

Concen: 12.912 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

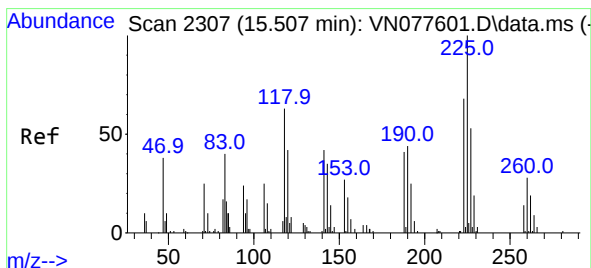
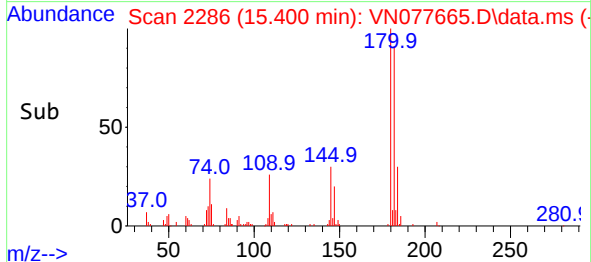
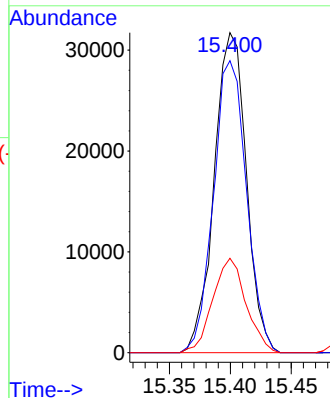
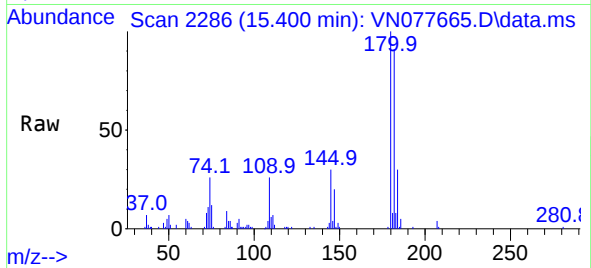
Tgt Ion:180 Resp: 58377

Ion Ratio Lower Upper

180 100

182 93.6 75.1 112.7

145 30.5 28.6 43.0



#90

Hexachlorobutadiene

Concen: 26.412 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.004 min

Lab File: VN077665.D

Acq: 12 May 2023 11:01

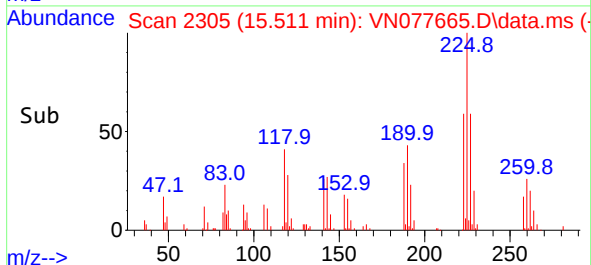
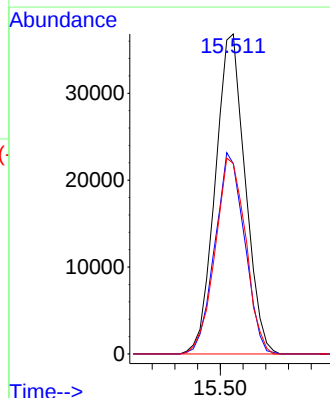
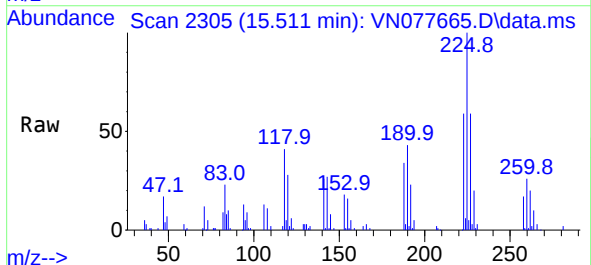
Tgt Ion:225 Resp: 67336

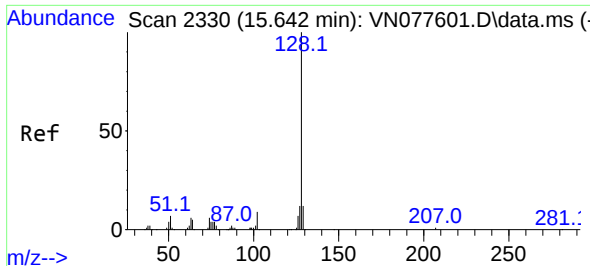
Ion Ratio Lower Upper

225 100

223 62.3 0.0 132.2

227 62.4 0.0 116.2

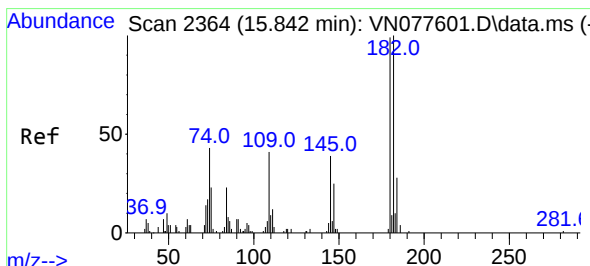
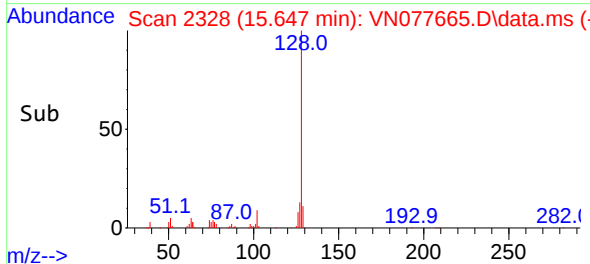
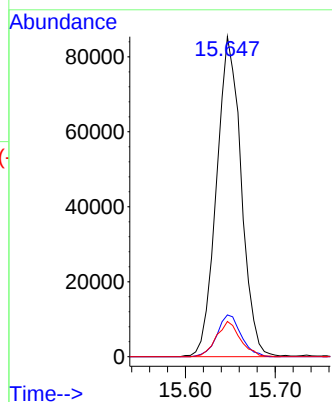
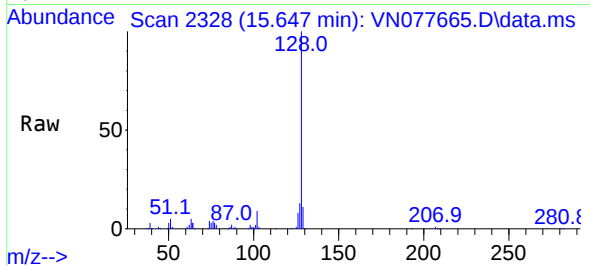




#91
Naphthalene
Concen: 10.545 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 162867
Ion Ratio Lower Upper
128 100
127 12.8 9.6 14.4
129 10.7 9.1 13.7



#92
1,2,3-Trichlorobenzene
Concen: 12.206 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.005 min
Lab File: VN077665.D
Acq: 12 May 2023 11:01

Tgt Ion:180 Resp: 50823
Ion Ratio Lower Upper
180 100
182 97.1 0.0 193.4
145 30.4 0.0 78.6

