

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077132.D
 Acq On : 23 Mar 2023 07:00
 Operator : JC\MD
 Sample : PB151586ZHE008
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:30:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

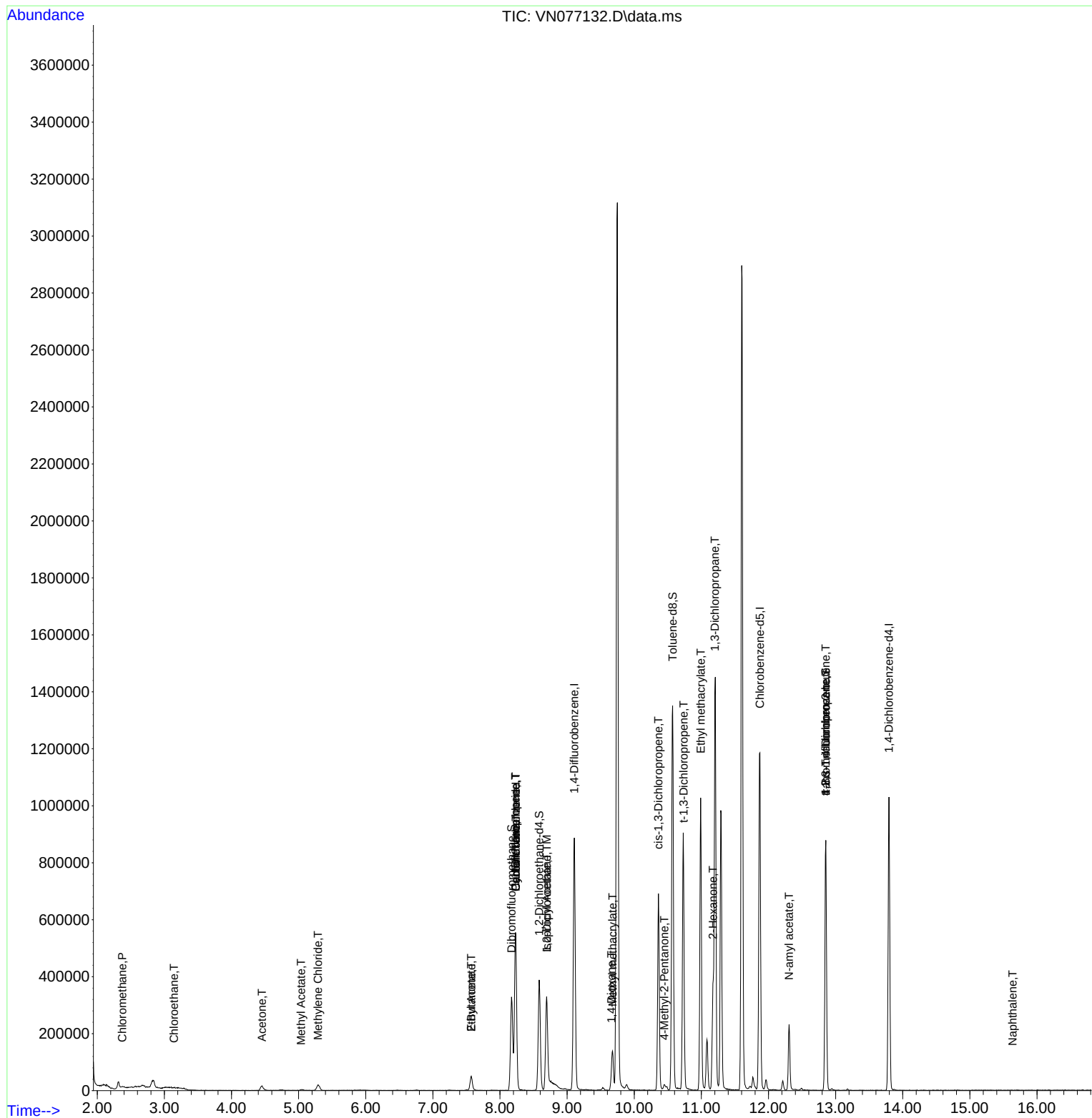
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	384796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	724713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	668298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	262736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	306203	49.818	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.640%
35) Dibromofluoromethane	8.172	113	230234	45.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.720%
50) Toluene-d8	10.572	98	915572	50.502	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.854	95	280379	43.766	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1257	0.324	ug/l #	79
6) Chloroethane	3.143	64	1038	0.392	ug/l #	62
16) Acetone	4.454	43	30844	11.262	ug/l	91
18) Methyl Acetate	5.037	43	6180	0.598	ug/l	98
20) Methylene Chloride	5.289	84	14160	2.382	ug/l	90
25) 2-Butanone	7.572	43	75096	18.744	ug/l #	49
31) Cyclohexane	8.236	56	11497	1.143	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	36276	4.576	ug/l #	53
37) Ethyl Acetate	7.572	43	75096	8.854	ug/l	99
38) Carbon Tetrachloride	8.236	117	42266	5.474	ug/l #	14
42) 1,2-Dichloroethane	8.695	62	2236	0.257	ug/l #	76
43) Isopropyl Acetate	8.695	43	402213	30.357	ug/l #	83
48) Methyl methacrylate	9.677	41	9723	1.535	ug/l #	16
49) 1,4-Dioxane	9.660	88	143	1.322	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	13607	1.649	ug/l	96
53) t-1,3-Dichloropropene	10.736	75	2294	0.277	ug/l	96
54) cis-1,3-Dichloropropene	10.360	75	107574	11.518	ug/l #	76
56) Ethyl methacrylate	10.989	69	4011	0.471	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	14206	1.371	ug/l #	43
59) 2-Hexanone	11.171	43	299531	50.052	ug/l #	24
74) N-amyl acetate	12.307	43	84909	8.331	ug/l #	52
76) 1,2,3-Trichloropropane	12.854	75	158463	23.317	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	158463	64.181	ug/l #	10
95) Naphthalene	15.636	128	235	1.925	ug/l #	65

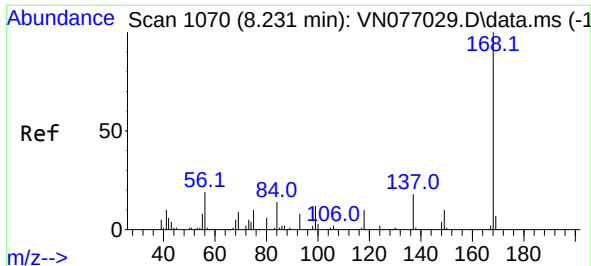
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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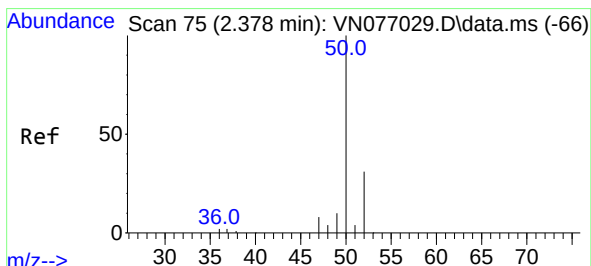
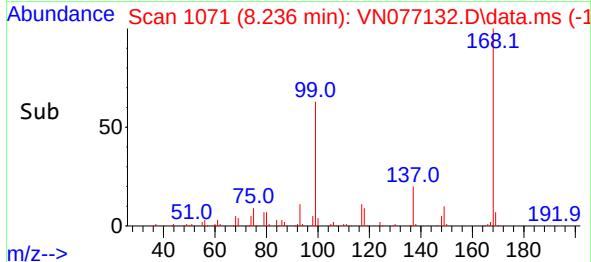
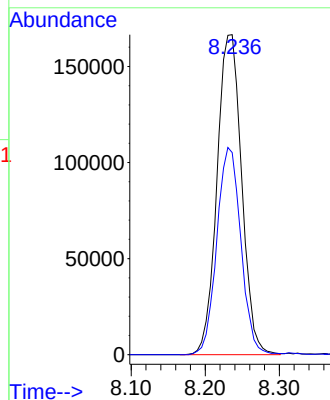
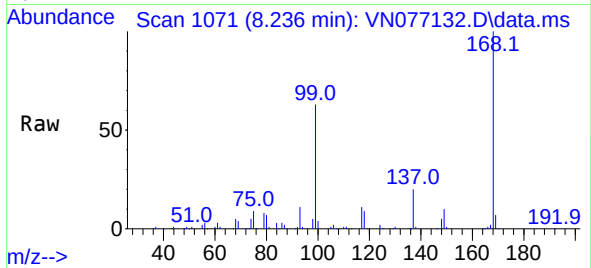




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

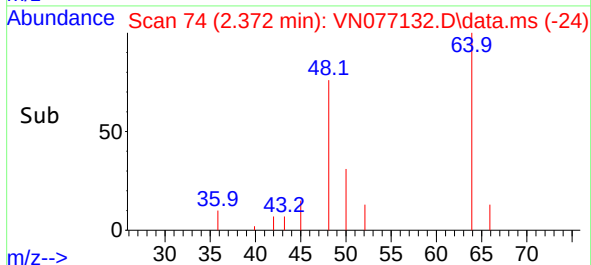
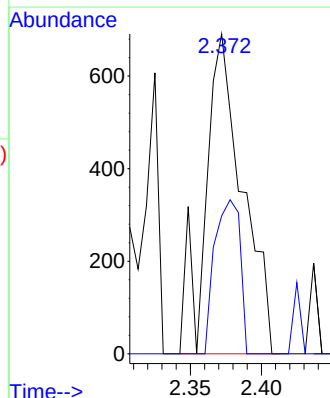
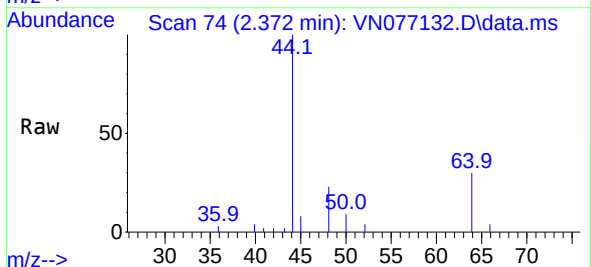
Instrument :
MSVOA_N
ClientSampleId :

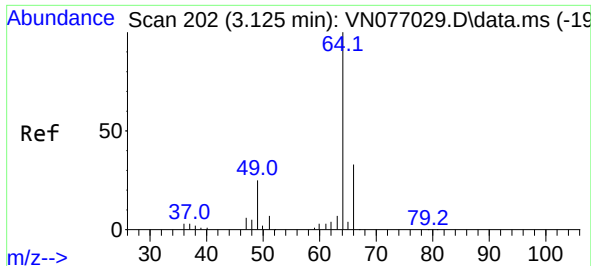
Tgt Ion:168 Resp: 384796
Ion Ratio Lower Upper
168 100
99 63.2 53.9 80.9



#3
Chloromethane
Concen: 0.324 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 50 Resp: 1257
Ion Ratio Lower Upper
50 100
52 43.1 25.1 37.7#

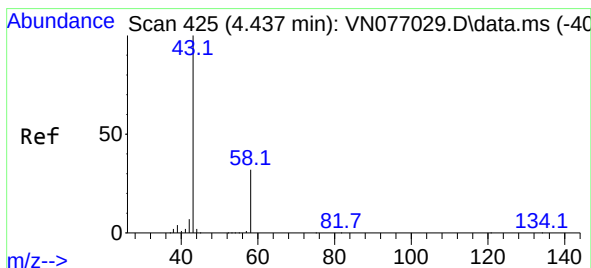
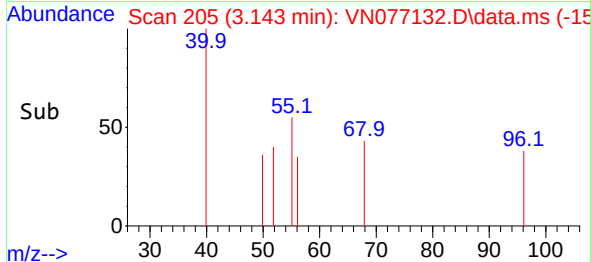
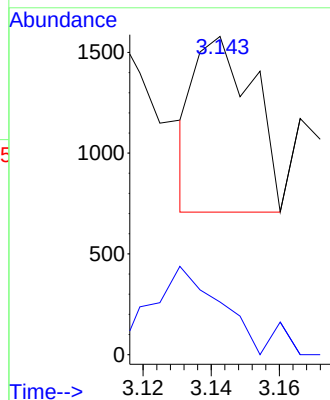
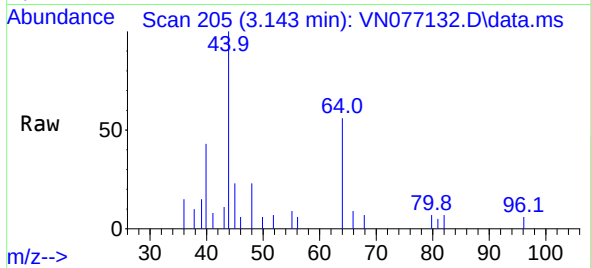




#6
Chloroethane
Concen: 0.392 ug/l
RT: 3.143 min Scan# 205
Delta R.T. 0.018 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

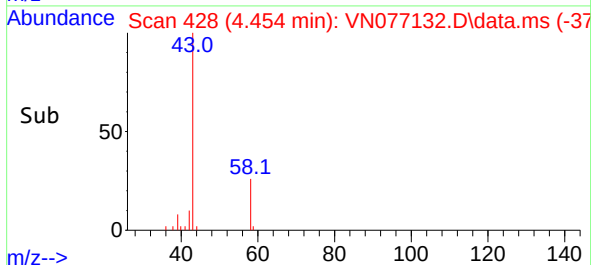
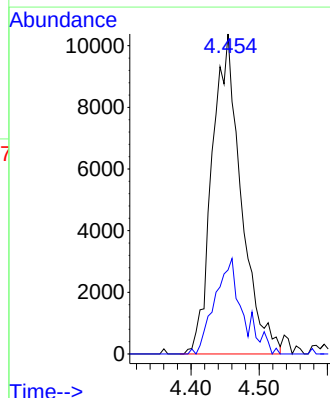
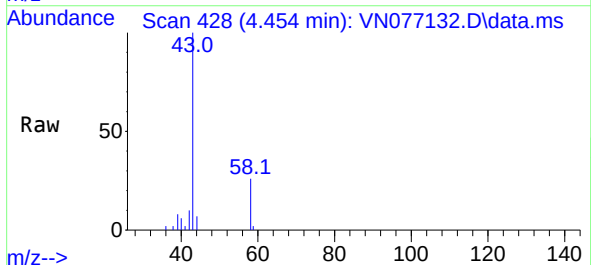
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MSVOA_N
ClientSampleId :

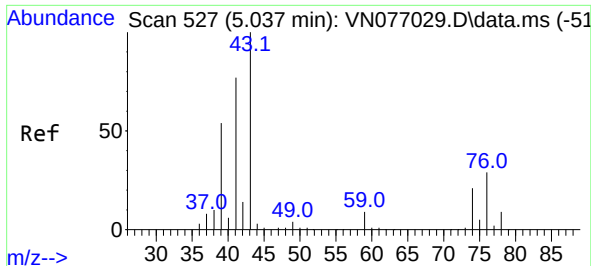
Tgt Ion: 64 Resp: 1038
Ion Ratio Lower Upper
64 100
66 11.4 26.3 39.5#



#16
Acetone
Concen: 11.262 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 43 Resp: 30844
Ion Ratio Lower Upper
43 100
58 26.6 25.4 38.0

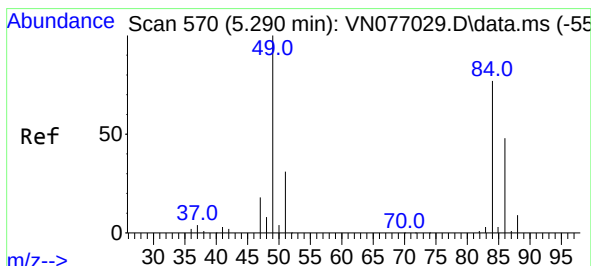
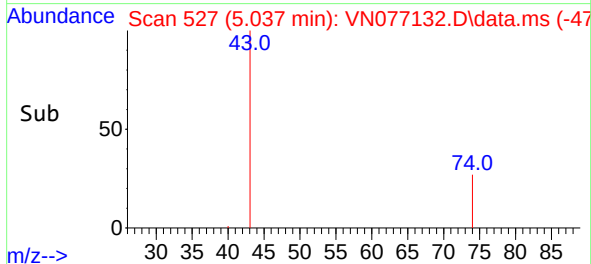
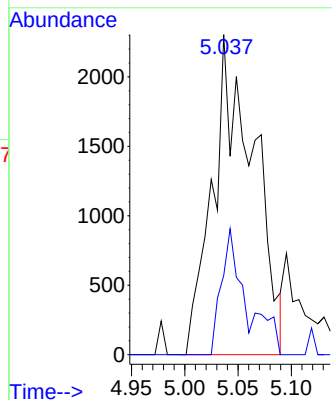
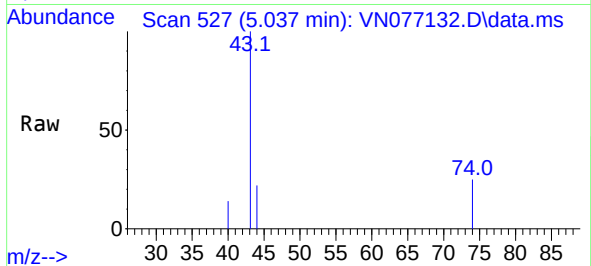




#18
Methyl Acetate
Concen: 0.598 ug/l
RT: 5.037 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

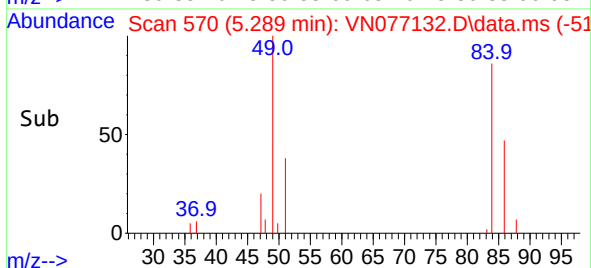
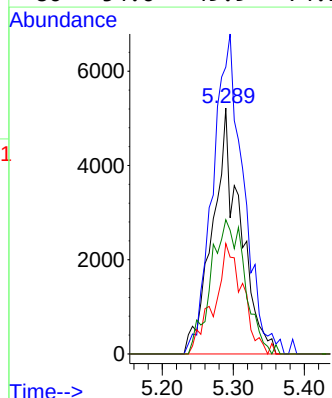
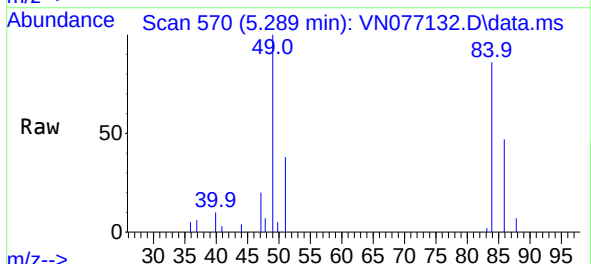
Instrument :
MSVOA_N
ClientSampleId :

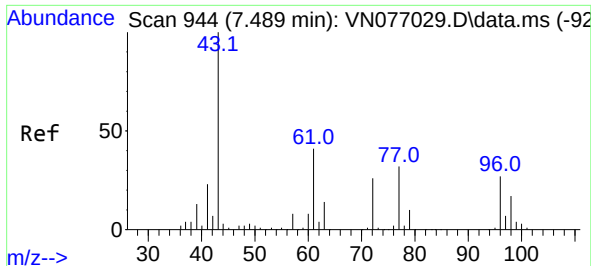
Tgt Ion: 43 Resp: 6180
Ion Ratio Lower Upper
43 100
74 21.1 17.7 26.5



#20
Methylene Chloride
Concen: 2.382 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 84 Resp: 14160
Ion Ratio Lower Upper
84 100
49 116.7 103.8 155.6
51 44.9 32.3 48.5
86 54.6 49.9 74.9

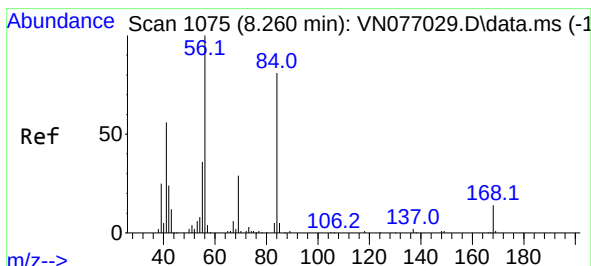
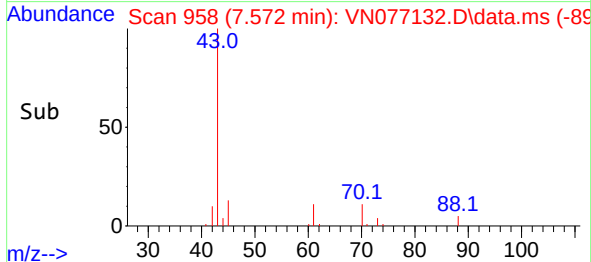
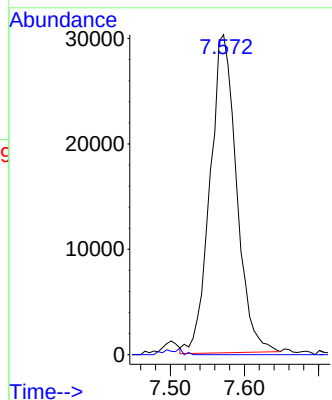
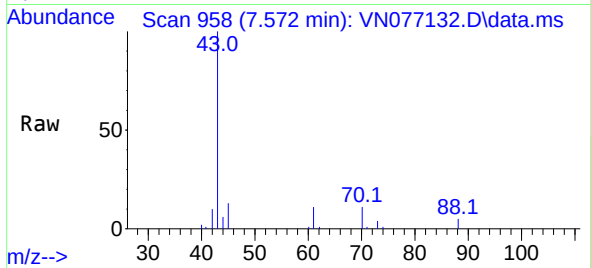




#25
2-Butanone
Concen: 18.744 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.083 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

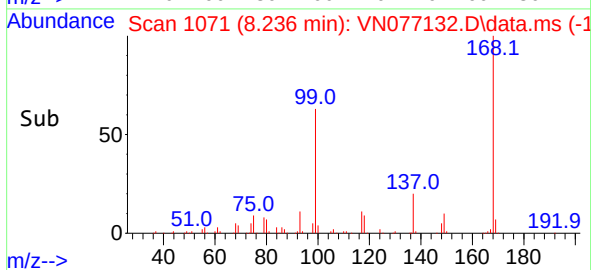
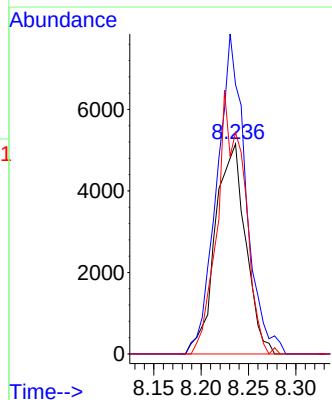
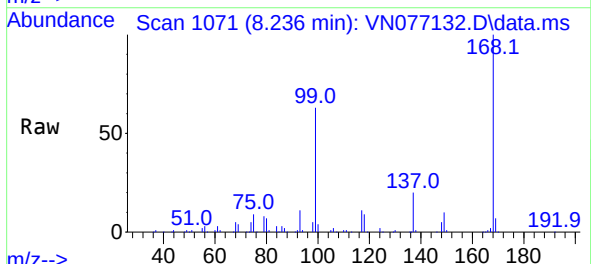
Instrument :
MSVOA_N
ClientSampleId :

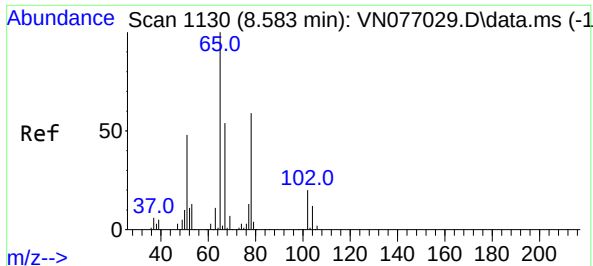
Tgt Ion: 43 Resp: 75096
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 56 Resp: 11497
Ion Ratio Lower Upper
56 100
69 128.2 22.8 34.2#
84 113.8 64.7 97.1#

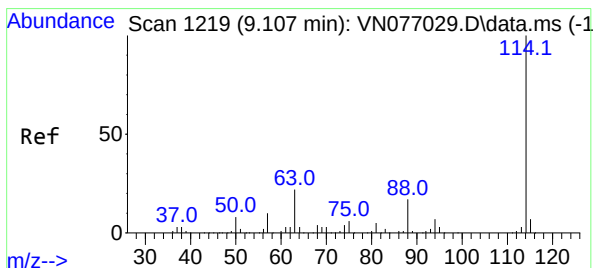
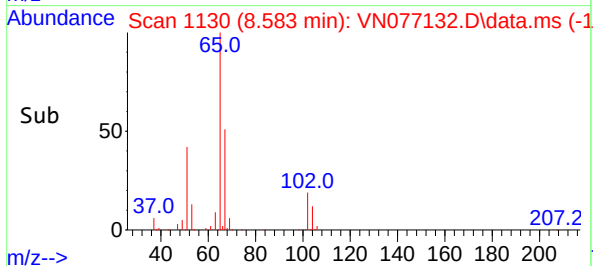
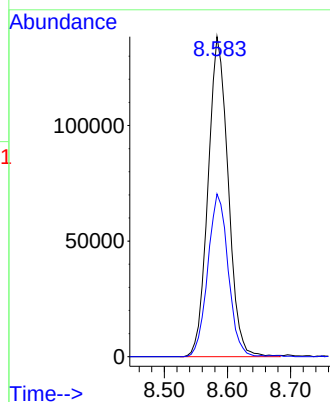
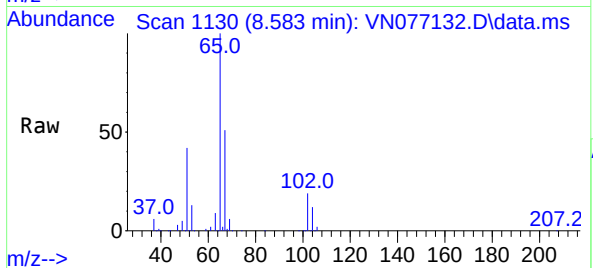




#33
1,2-Dichloroethane-d4
Concen: 49.818 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

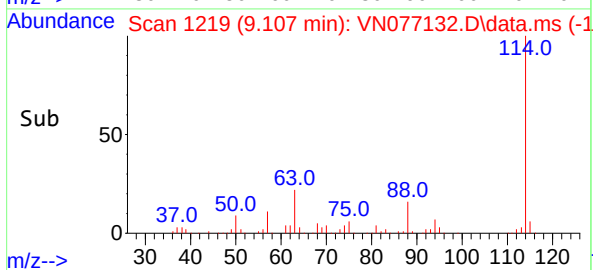
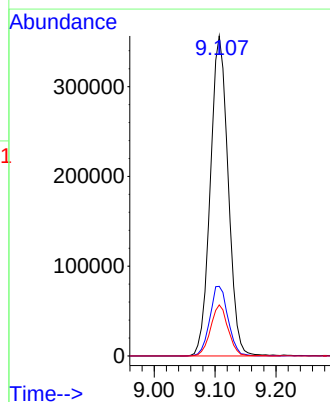
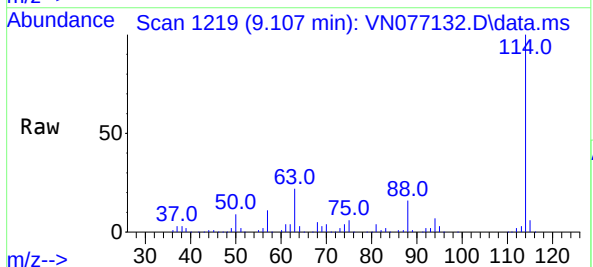
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MSVOA_N
ClientSampleId :

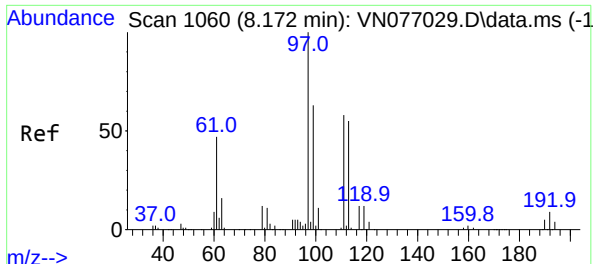
Tgt Ion: 65 Resp: 306203
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

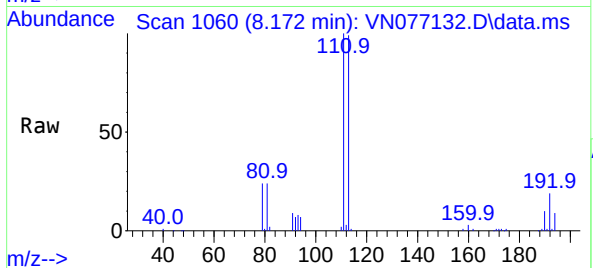
Tgt Ion: 114 Resp: 724713
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.6
88 16.0 0.0 33.8



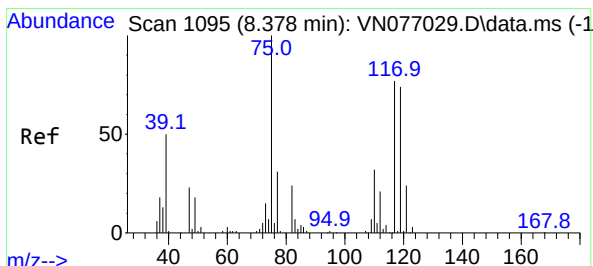
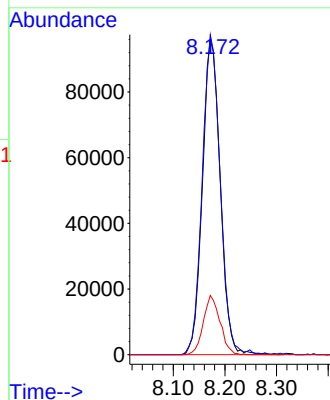
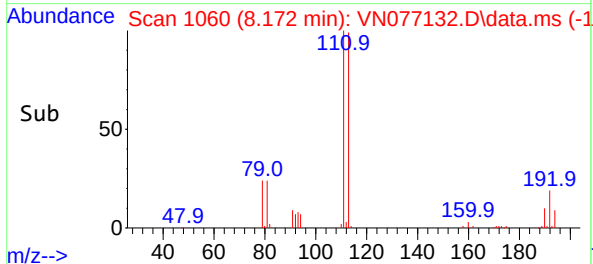


#35
Dibromofluoromethane
Concen: 45.364 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

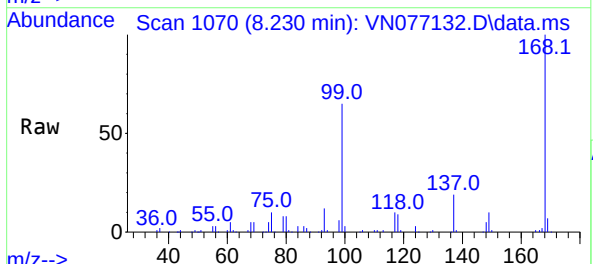
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MSVOA_N
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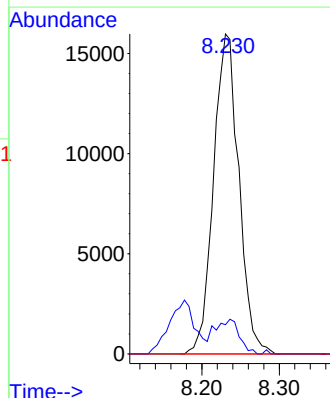
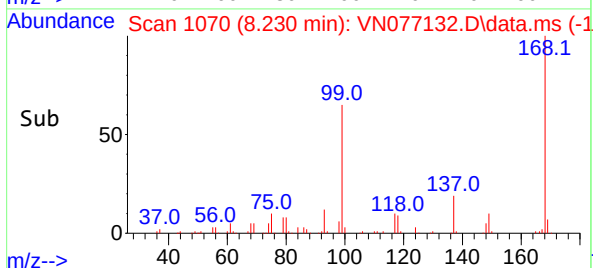
Tgt Ion:113 Resp: 230234
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 17.6 13.0 19.6

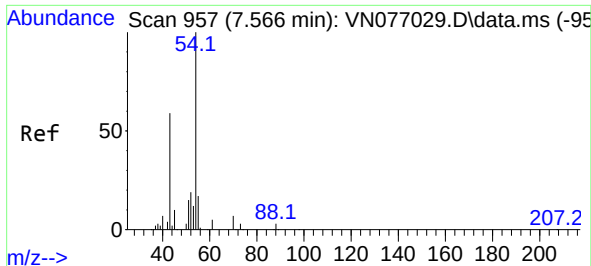


#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00



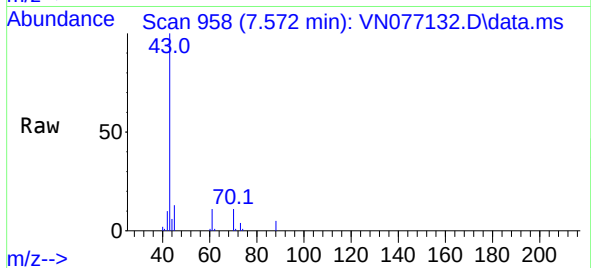
Tgt Ion: 75 Resp: 36276
Ion Ratio Lower Upper
75 100
110 10.4 15.9 47.7#
77 0.0 24.3 36.5#



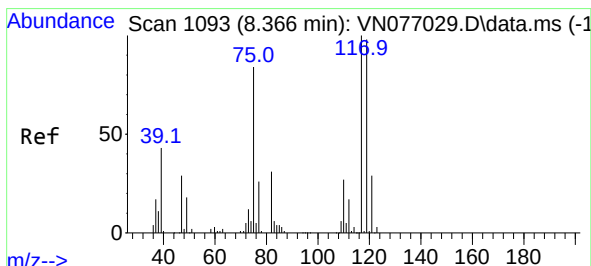
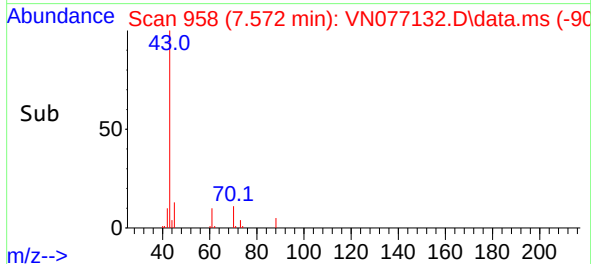
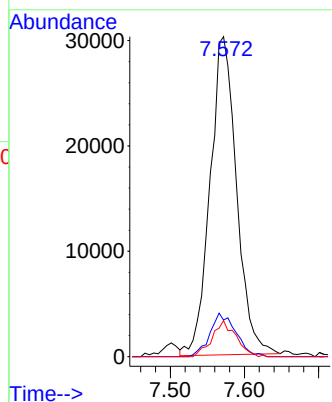


#37
Ethyl Acetate
Concen: 8.854 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Instrument :
MSVOA_N
ClientSampleId :

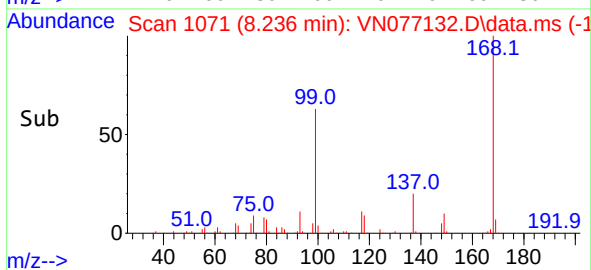
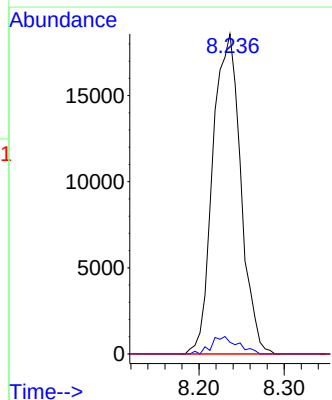
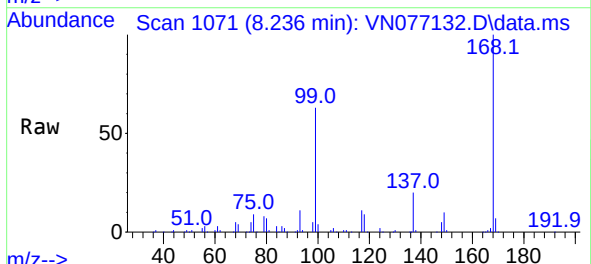


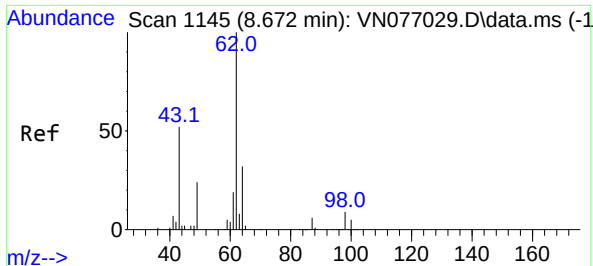
Tgt Ion: 43 Resp: 75096
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.6
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.129 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 117 Resp: 42266
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 23.2 34.8#

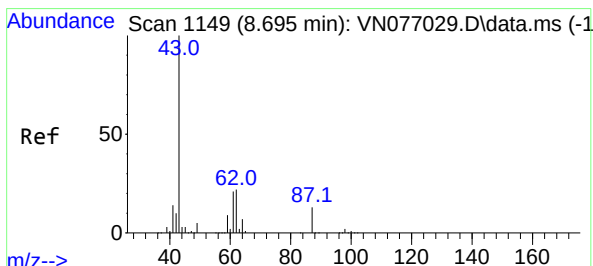
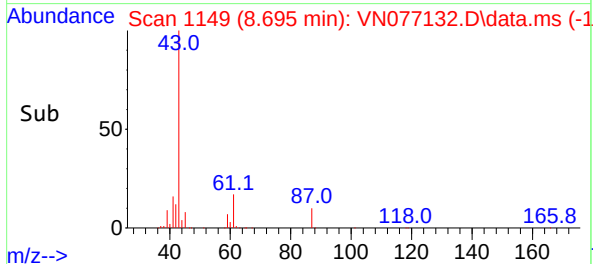
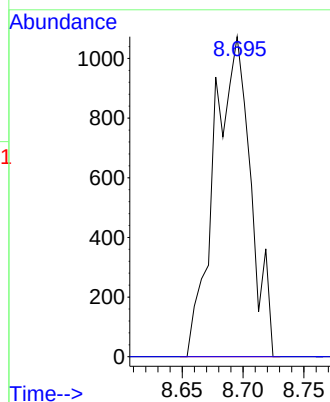
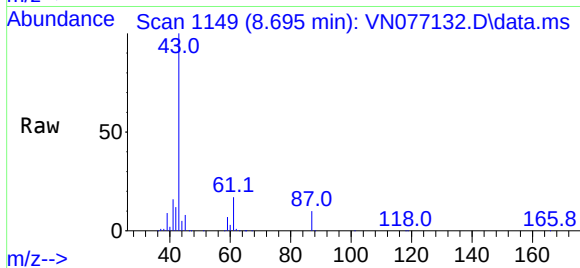




#42
1,2-Dichloroethane
Concen: 0.257 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.023 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

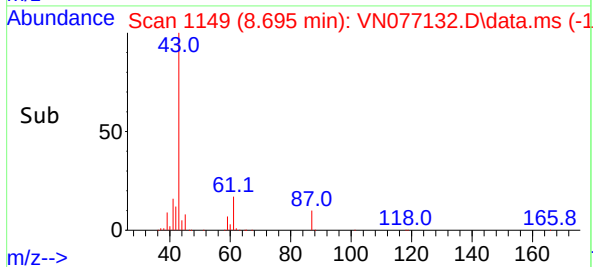
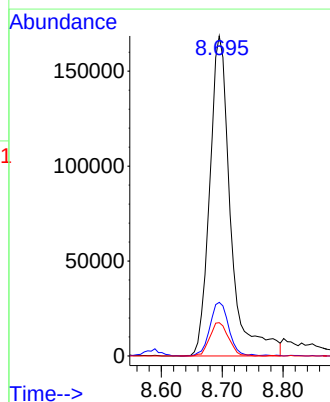
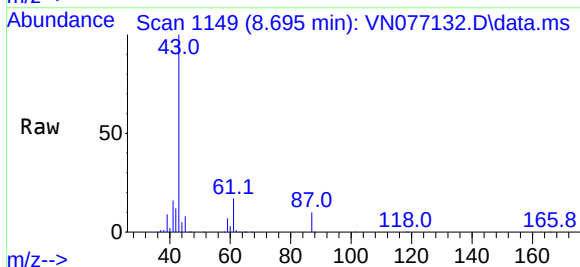
Instrument :
MSVOA_N
ClientSampleId :

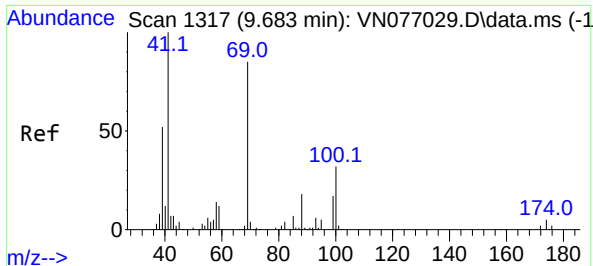
Tgt Ion: 62 Resp: 2236
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.4



#43
Isopropyl Acetate
Concen: 30.357 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 43 Resp: 402213
Ion Ratio Lower Upper
43 100
61 15.2 20.6 30.8#
87 9.4 10.0 15.0#

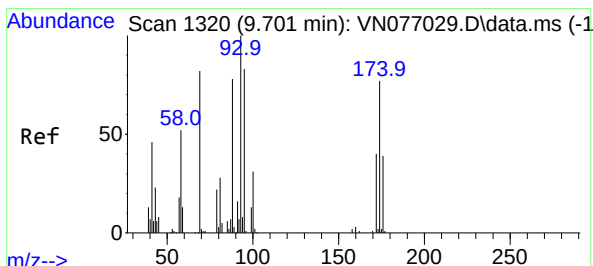
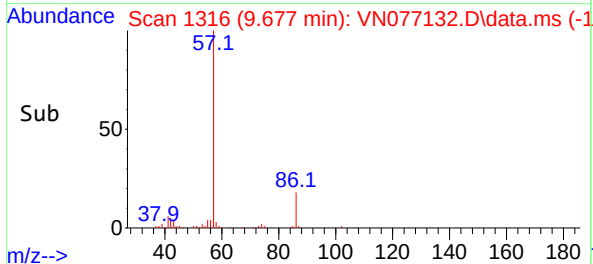
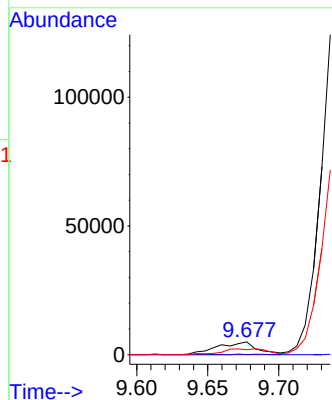
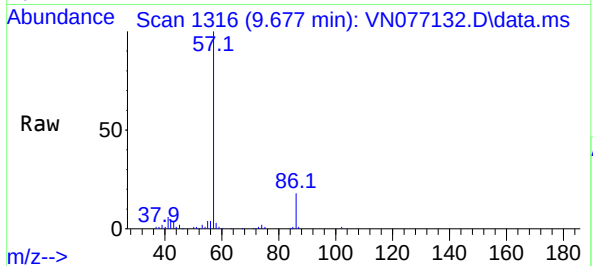




#48
Methyl methacrylate
Concen: 1.535 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

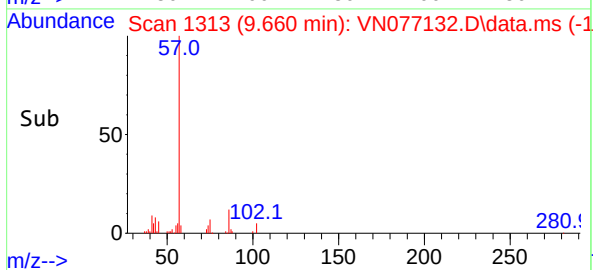
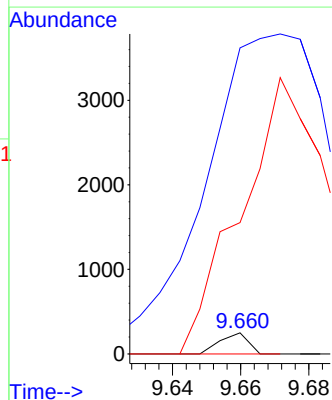
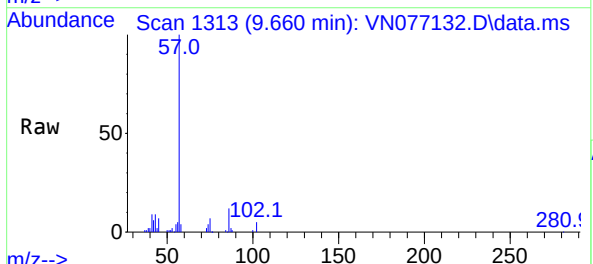
Instrument :
MSVOA_N
ClientSampleId :

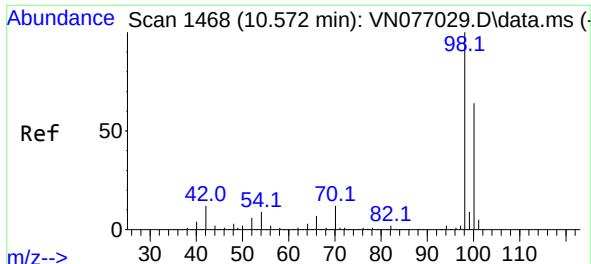
Tgt Ion: 41 Resp: 9723
Ion Ratio Lower Upper
41 100
69 0.9 64.3 96.5#
39 0.0 43.2 64.8#



#49
1,4-Dioxane
Concen: 1.322 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.041 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 4472.7 60.8 91.2#

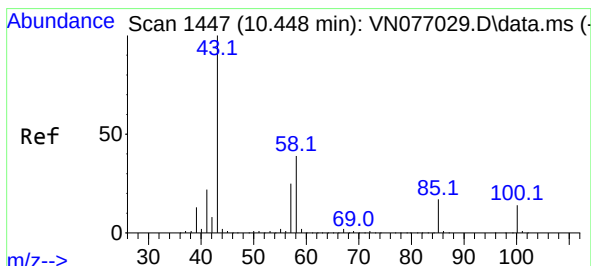
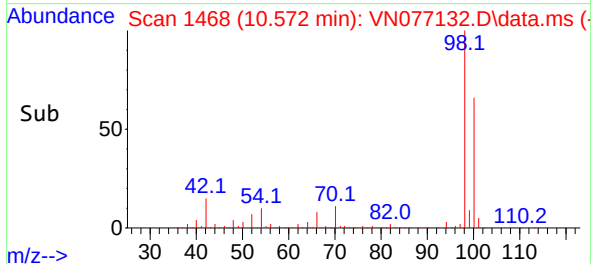
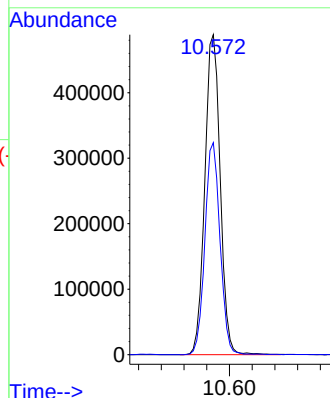
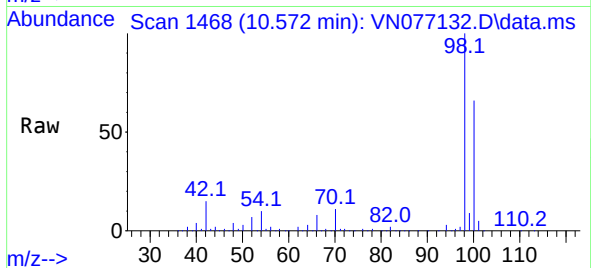




#50
Toluene-d8
Concen: 50.502 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

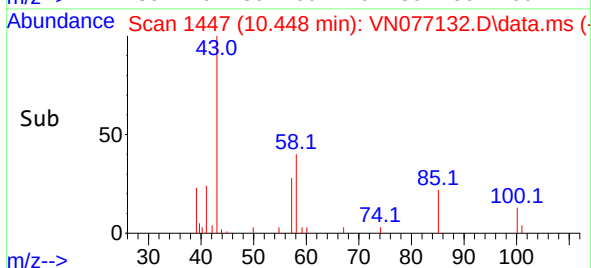
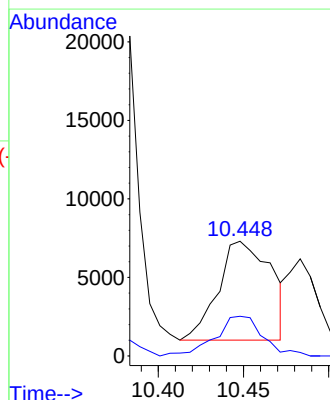
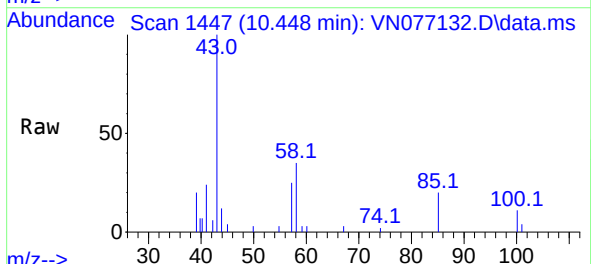
Instrument :
MSVOA_N
ClientSampleId :

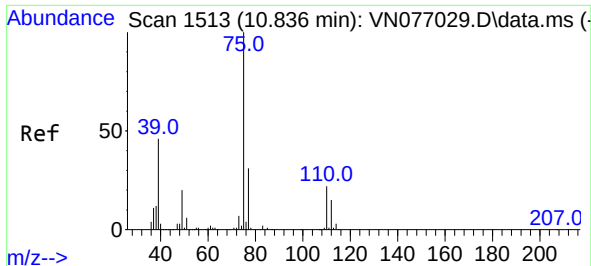
Tgt Ion: 98 Resp: 915572
Ion Ratio Lower Upper
98 100
100 65.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.649 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 43 Resp: 13607
Ion Ratio Lower Upper
43 100
58 36.3 31.1 46.7

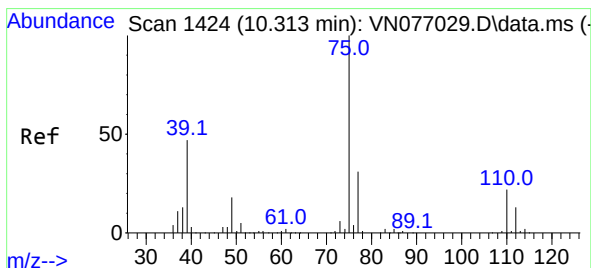
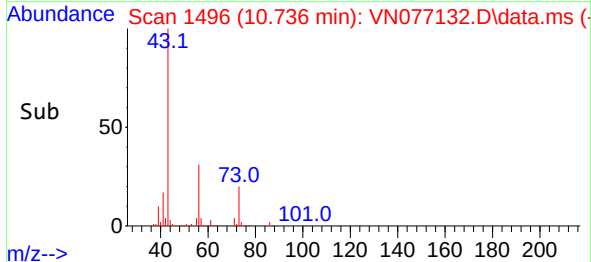
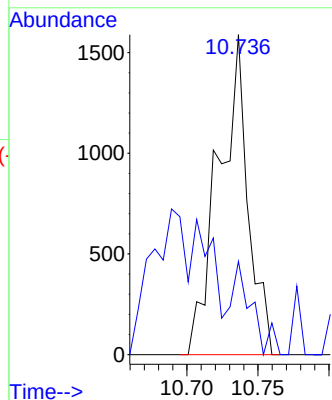
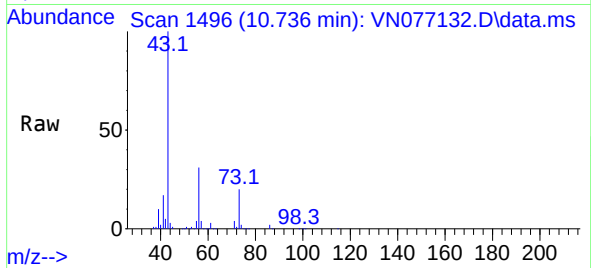




#53
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.736 min Scan# 1496
Delta R.T. -0.100 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

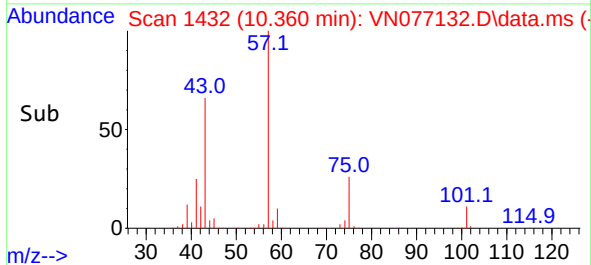
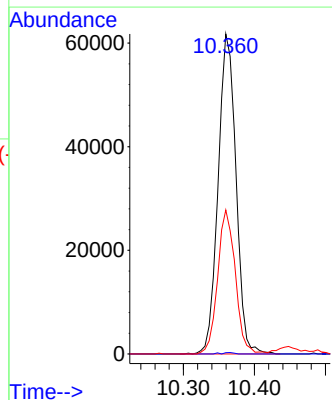
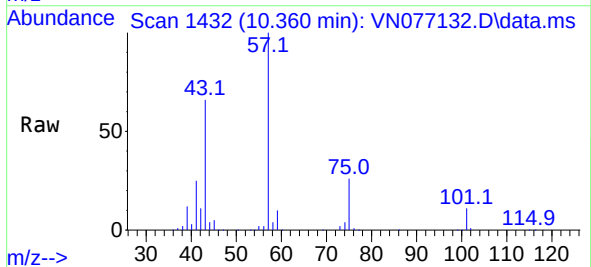
Instrument :
MSVOA_N
ClientSampleId :

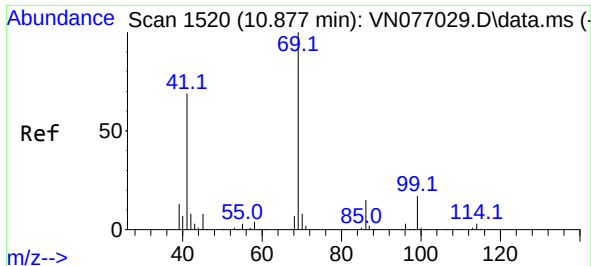
Tgt Ion: 75 Resp: 2294
Ion Ratio Lower Upper
75 100
77 29.1 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 11.518 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 75 Resp: 107574
Ion Ratio Lower Upper
75 100
77 0.4 24.5 36.7#
39 45.0 37.8 56.6





#56

Ethyl methacrylate

Concen: 0.471 ug/l

RT: 10.989 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN077132.D

Acq: 23 Mar 2023 07:00

Instrument :

MSVOA_N

ClientSampleId :

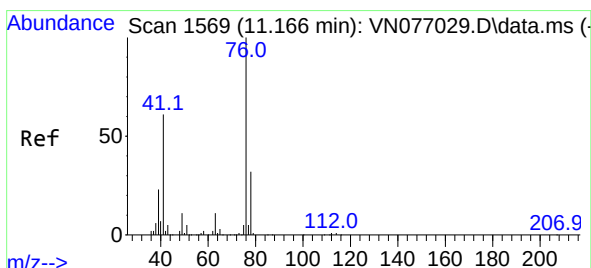
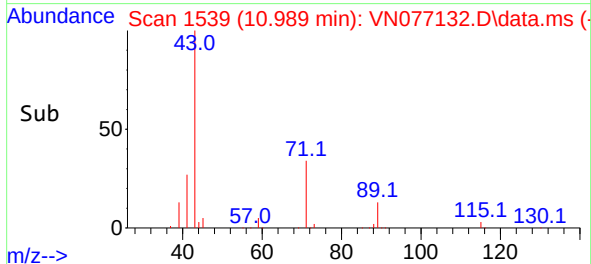
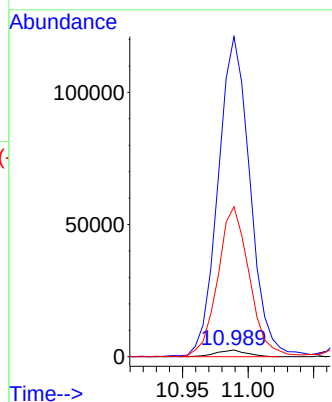
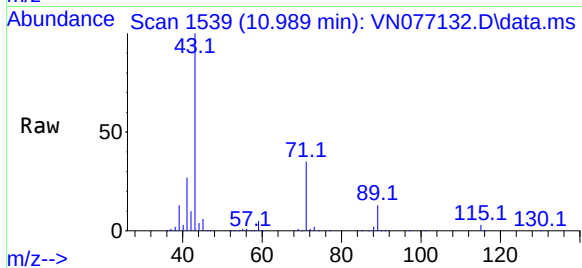
Tgt Ion: 69 Resp: 4011

Ion Ratio Lower Upper

69 100

41 5139.3 54.9 82.3#

39 2373.8 26.6 40.0#



#57

1,3-Dichloropropane

Concen: 1.371 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN077132.D

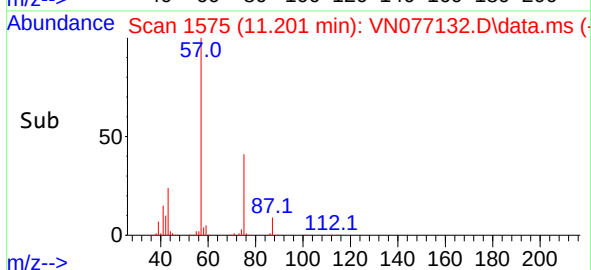
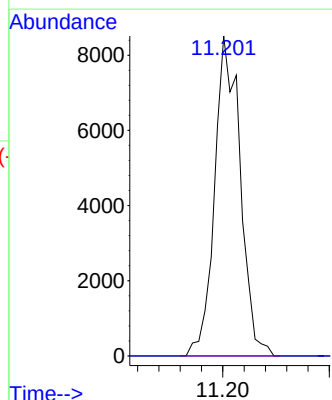
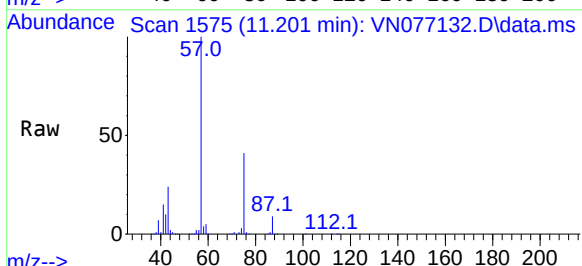
Acq: 23 Mar 2023 07:00

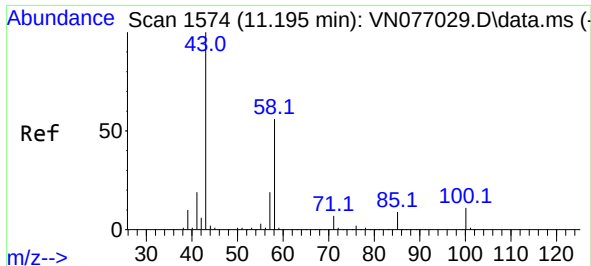
Tgt Ion: 76 Resp: 14206

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#

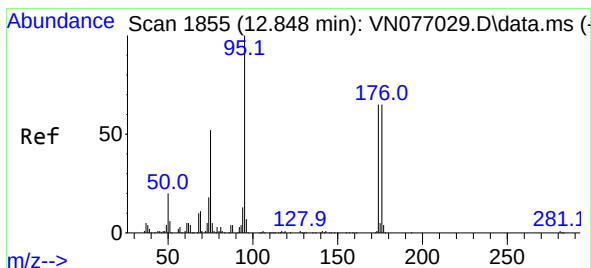
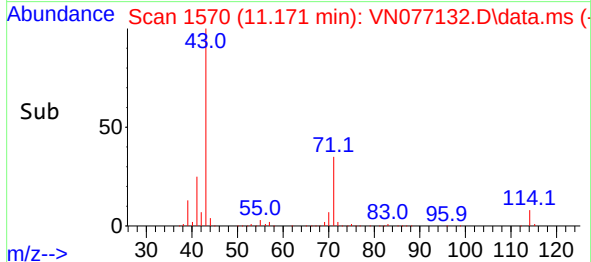
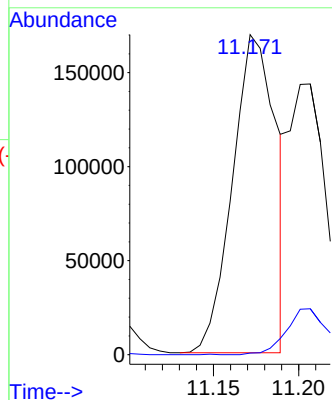
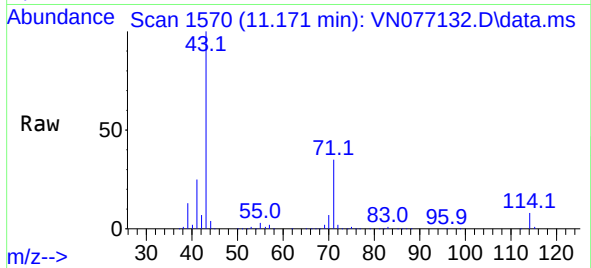




#59
2-Hexanone
Concen: 50.052 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

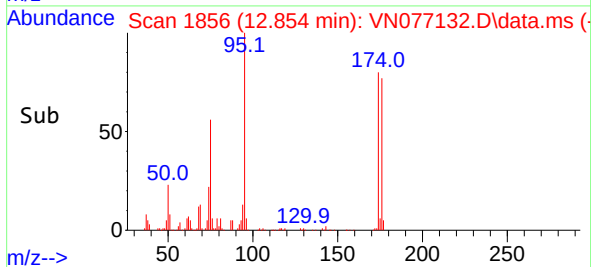
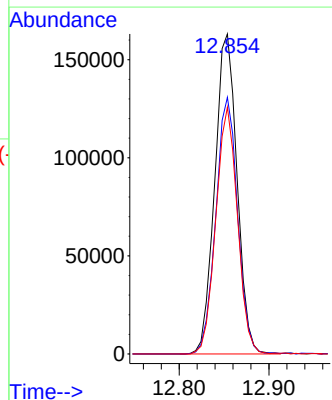
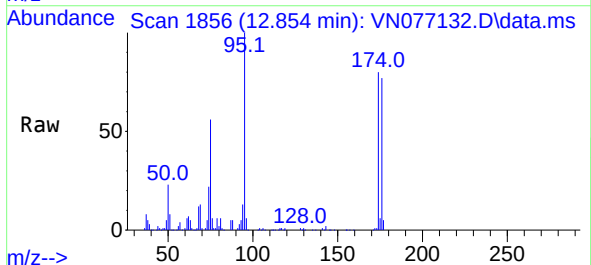
Instrument :
MSVOA_N
ClientSampleId :

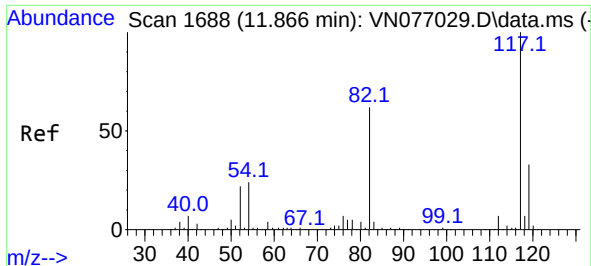
Tgt Ion: 43 Resp: 299531
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 43.766 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion: 95 Resp: 280379
Ion Ratio Lower Upper
95 100
174 79.1 0.0 136.6
176 74.8 0.0 130.0

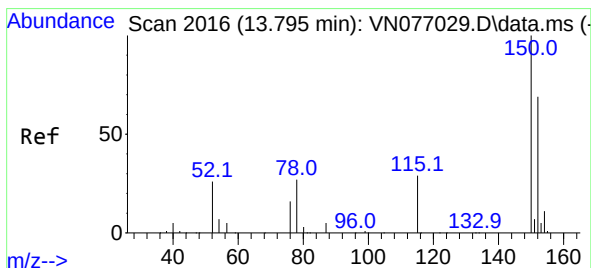
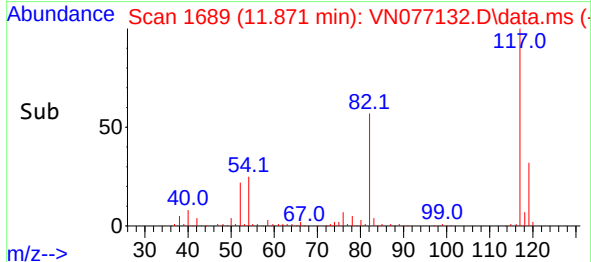
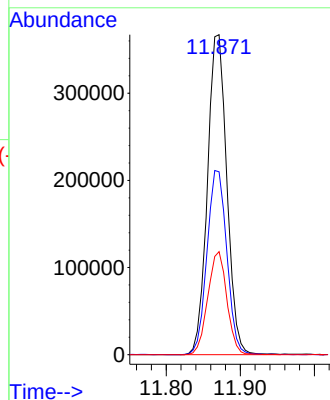
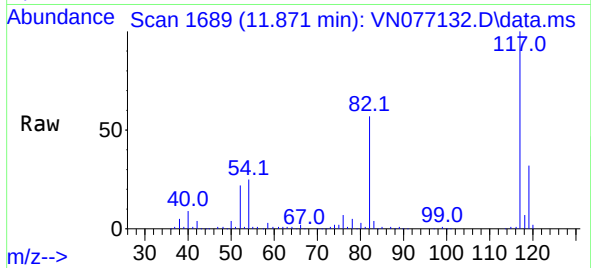




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

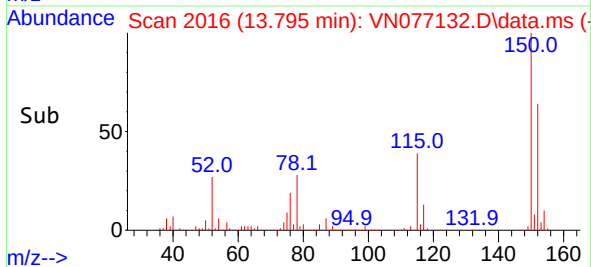
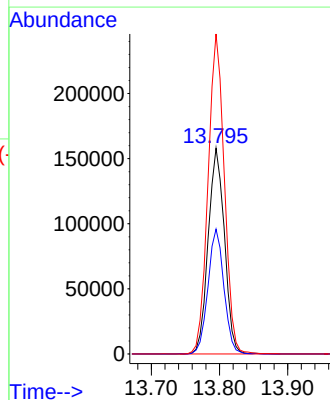
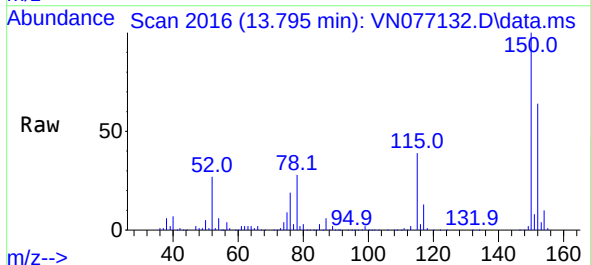
Instrument :
MSVOA_N
ClientSampleId :

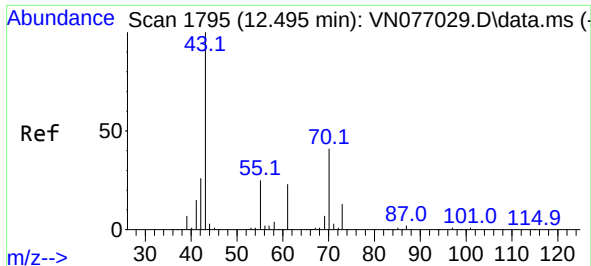
Tgt Ion:117 Resp: 668298
Ion Ratio Lower Upper
117 100
82 57.2 49.4 74.0
119 32.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

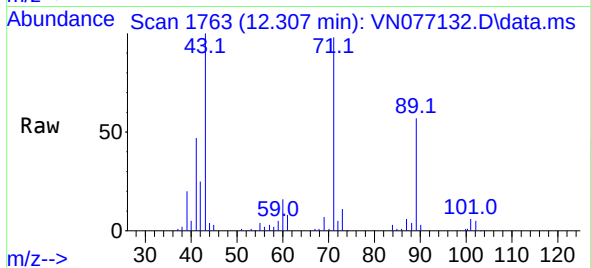
Tgt Ion:152 Resp: 262736
Ion Ratio Lower Upper
152 100
115 59.5 31.9 95.7
150 155.4 0.0 348.0



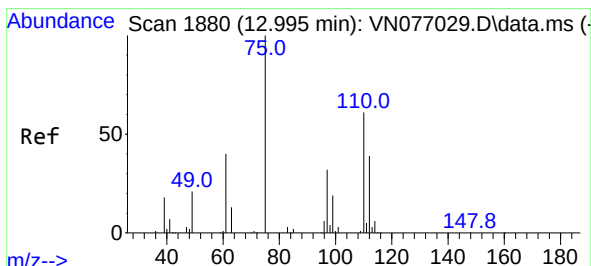
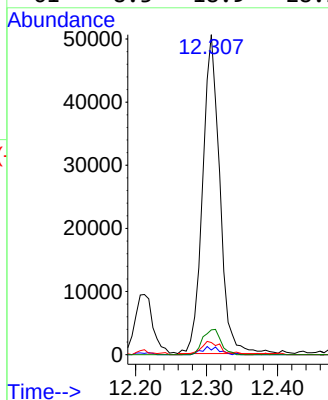
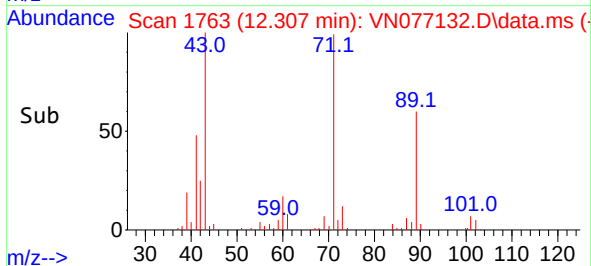


#74
N-amy1 acetate
Concen: 8.331 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Instrument :
MSVOA_N
ClientSampleId :

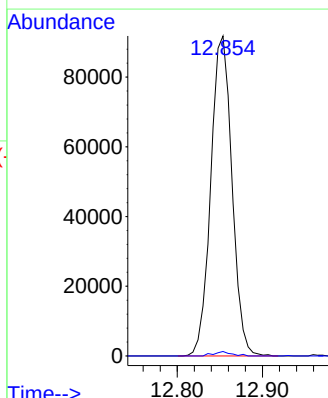
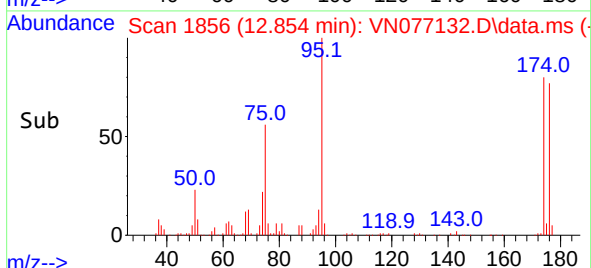
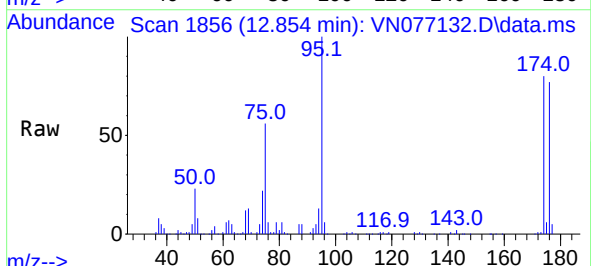


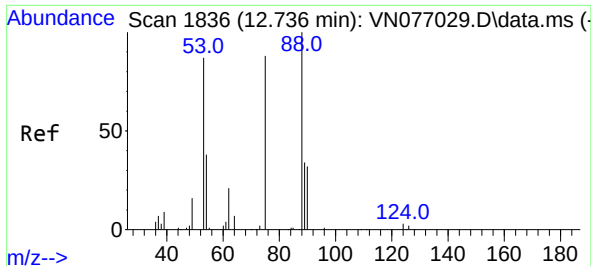
Tgt Ion: 43	Resp: 84909
Ion Ratio	Lower Upper
43 100	
70 2.4	33.6 50.4#
55 4.9	20.3 30.5#
61 8.3	18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 23.317 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

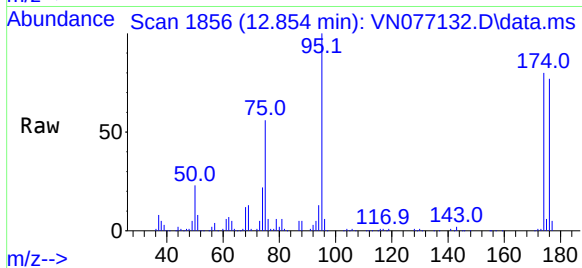
Tgt Ion: 75	Resp: 158463
Ion Ratio	Lower Upper
75 100	
77 1.2	107.3 322.0#



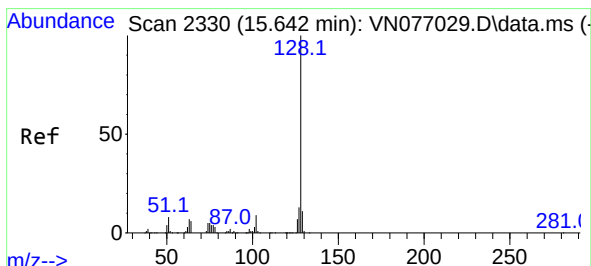
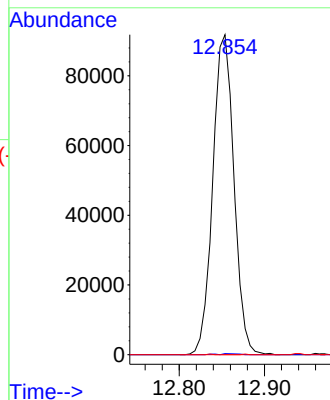
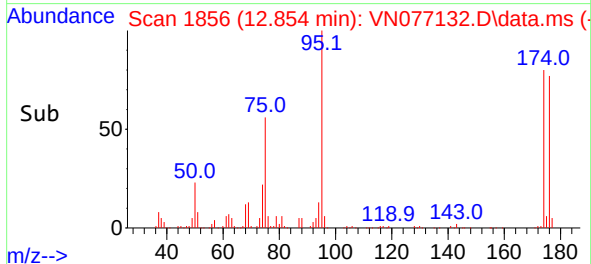


#81
trans-1,4-Dichloro-2-butene
Concen: 64.181 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 158463
Ion Ratio Lower Upper
75 100
53 0.2 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.925 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN077132.D
Acq: 23 Mar 2023 07:00

Tgt Ion:128 Resp: 235
Ion Ratio Lower Upper
128 100
127 28.1 10.0 15.0#
129 0.0 8.6 13.0#

