

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077324.D
 Acq On : 13 Apr 2023 13:23
 Operator : JC\MD
 Sample : 02292-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-SO-VB1-041123

Quant Time: Apr 14 07:23:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

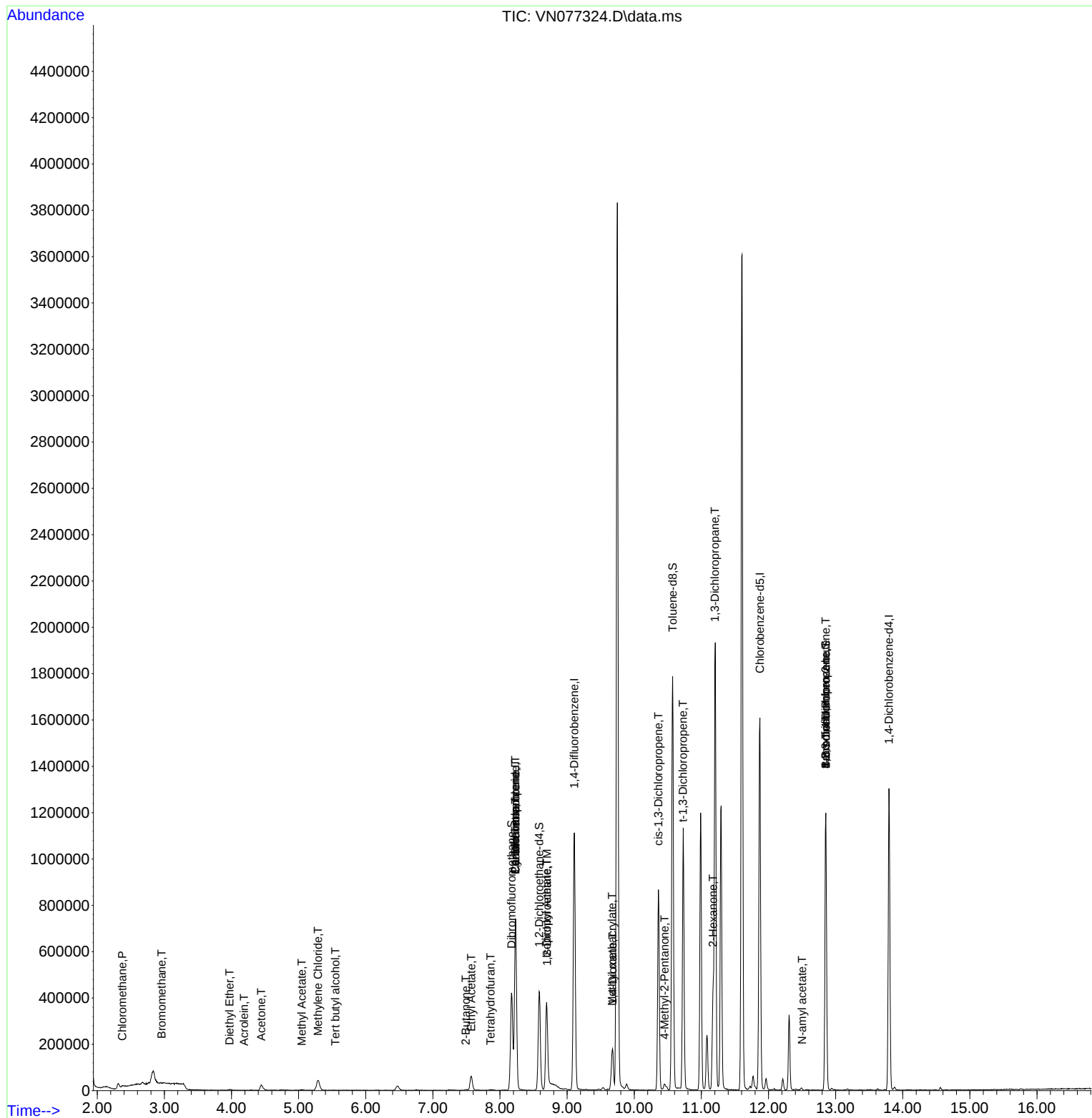
Internal Standards						
1) Pentafluorobenzene	8.231	168	525499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1014945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	949926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	341757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	334245	46.538	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.080%
35) Dibromofluoromethane	8.172	113	305437	47.009	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.020%
50) Toluene-d8	10.572	98	1289758	49.310	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.854	95	421439	48.446	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1802	0.217	ug/l	91
5) Bromomethane	2.960	94	1645	0.201	ug/l #	47
8) Diethyl Ether	3.972	74	1964	0.480	ug/l	71
11) Tert butyl alcohol	5.548	59	437	0.298	ug/l #	72
13) Acrolein	4.190	56	314	0.226	ug/l #	1
16) Acetone	4.443	43	41950	15.842	ug/l	96
18) Methyl Acetate	5.048	43	5105	0.506	ug/l #	65
20) Methylene Chloride	5.290	84	38007	5.082	ug/l	93
25) 2-Butanone	7.489	43	4339	1.010	ug/l #	83
29) Tetrahydrofuran	7.860	42	1787	0.647	ug/l #	60
31) Cyclohexane	8.231	56	13838	1.240	ug/l #	22
36) 1,1-Dichloropropene	8.231	75	46963	4.887	ug/l #	50
37) Ethyl Acetate	7.572	43	90646	10.543	ug/l	96
38) Carbon Tetrachloride	8.231	117	58128	5.904	ug/l #	13
42) 1,2-Dichloroethane	8.701	62	3356	0.364	ug/l #	73
43) Isopropyl Acetate	8.695	43	436298	27.501	ug/l #	90
48) Methyl methacrylate	9.672	41	10023	1.481	ug/l #	6
49) 1,4-Dioxane	9.678	88	96	0.585	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	28004	3.054	ug/l #	73
53) t-1,3-Dichloropropene	10.725	75	3279	0.282	ug/l #	84
54) cis-1,3-Dichloropropene	10.360	75	176250	14.214	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	21811	1.714	ug/l #	42
59) 2-Hexanone	11.172	43	314153	45.983	ug/l #	20
71) Bromoform	12.854	173	1851	0.332	ug/l #	1
74) N-amyl acetate	12.501	43	3449	0.274	ug/l #	56
76) 1,2,3-Trichloropropane	12.854	75	227279	27.928	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	227279	62.846	ug/l #	13

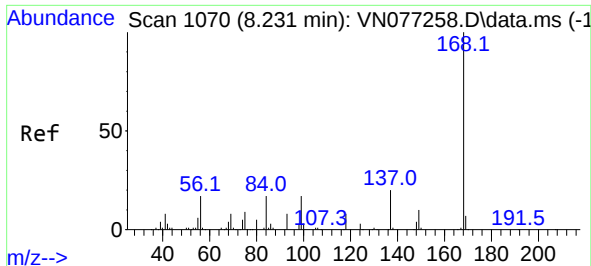
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
Data File : VN077324.D
Acq On : 13 Apr 2023 13:23
Operator : JC\MD
Sample : 02292-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

Quant Time: Apr 14 07:23:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

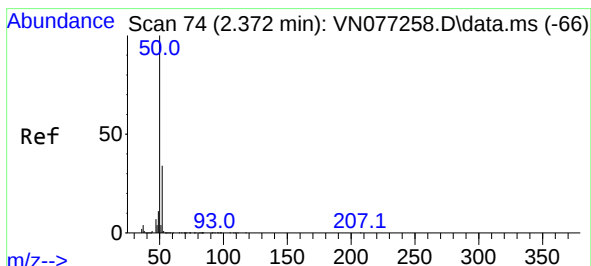
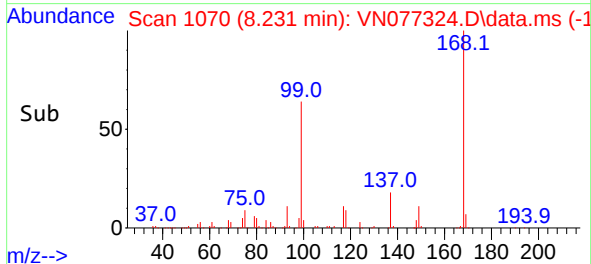
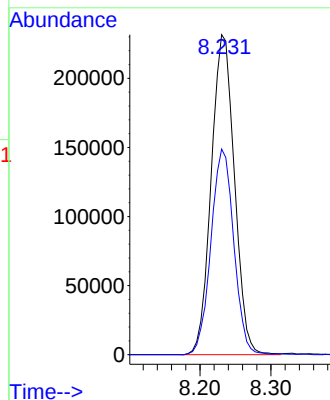
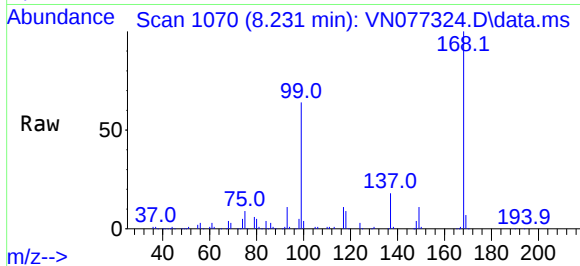




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

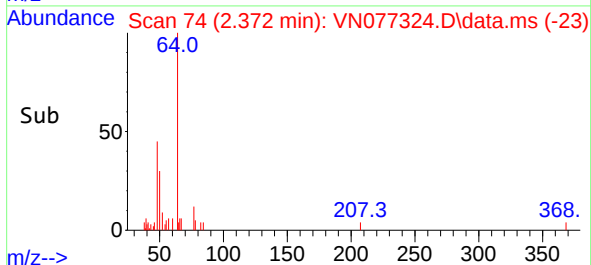
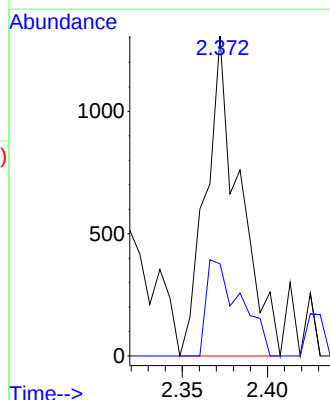
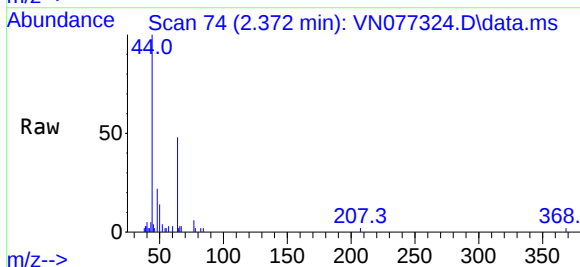
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

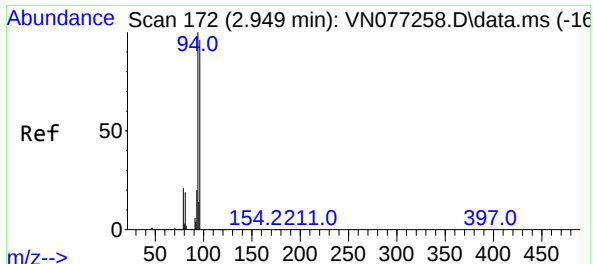
Tgt Ion:168 Resp: 525499
Ion Ratio Lower Upper
168 100
99 64.3 50.6 75.8



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 50 Resp: 1802
Ion Ratio Lower Upper
50 100
52 28.8 27.3 40.9

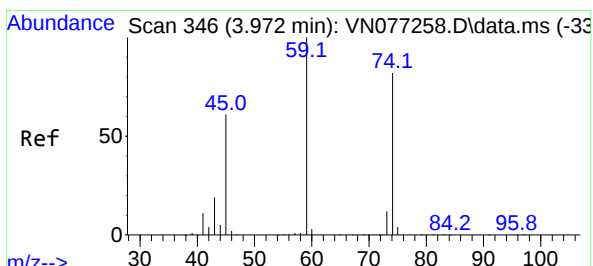
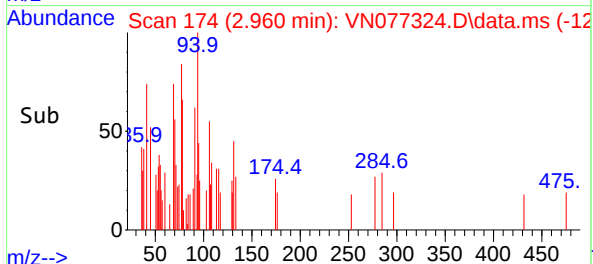
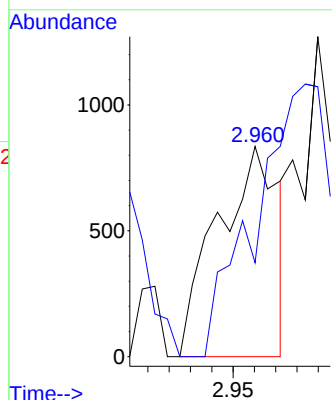
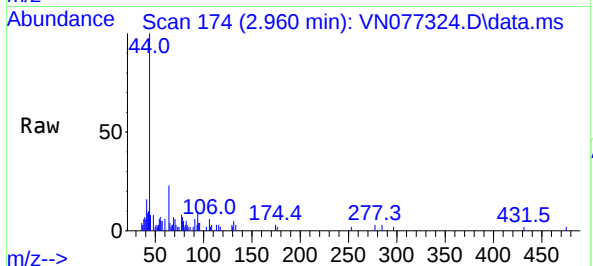




#5
Bromomethane
Concen: 0.201 ug/l
RT: 2.960 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

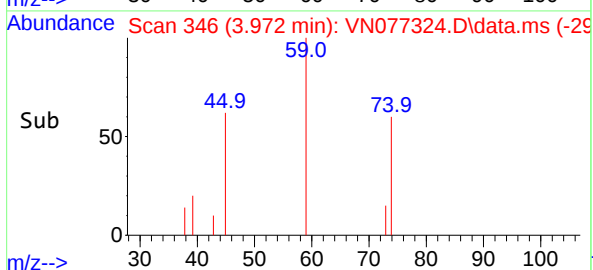
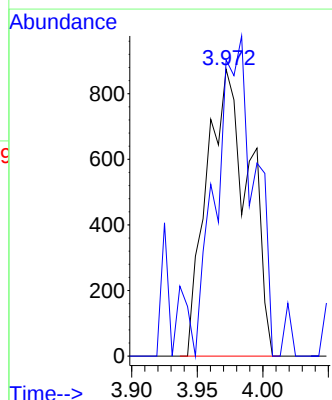
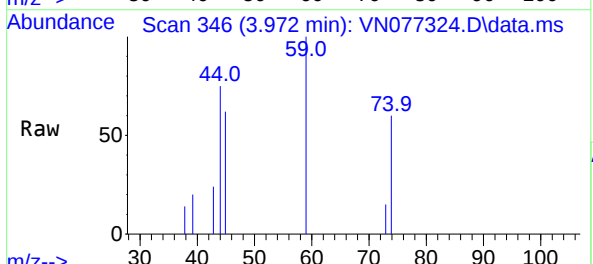
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

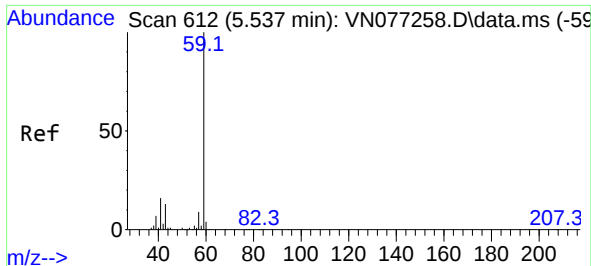
Tgt Ion: 94 Resp: 1645
Ion Ratio Lower Upper
94 100
96 44.7 77.0 115.4#



#8
Diethyl Ether
Concen: 0.480 ug/l
RT: 3.972 min Scan# 346
Delta R.T. 0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 74 Resp: 1964
Ion Ratio Lower Upper
74 100
45 100.4 37.8 113.4





#11

Tert butyl alcohol

Concen: 0.298 ug/l

RT: 5.548 min Scan# 61

Delta R.T. 0.011 min

Lab File: VN077324.D

Acq: 13 Apr 2023 13:23

Instrument :

MSVOA_N

ClientSampleId :

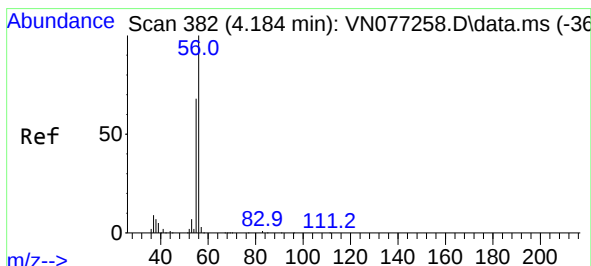
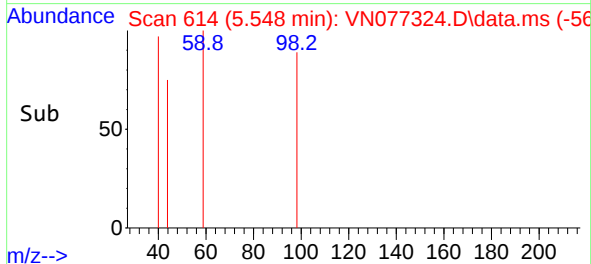
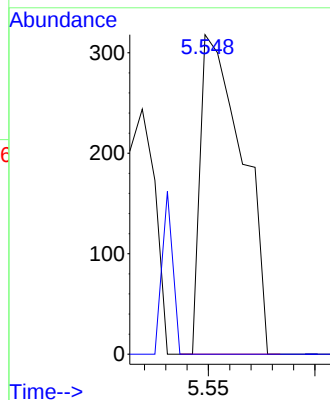
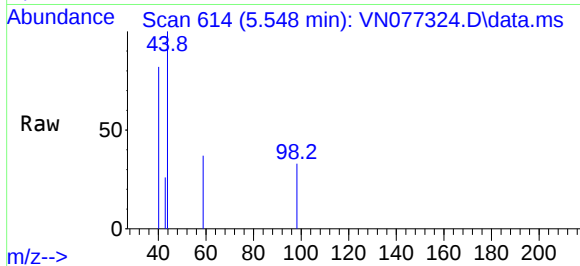
IDW-SO-VB1-041123

Tgt Ion: 59 Resp: 437

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.226 ug/l

RT: 4.190 min Scan# 383

Delta R.T. 0.006 min

Lab File: VN077324.D

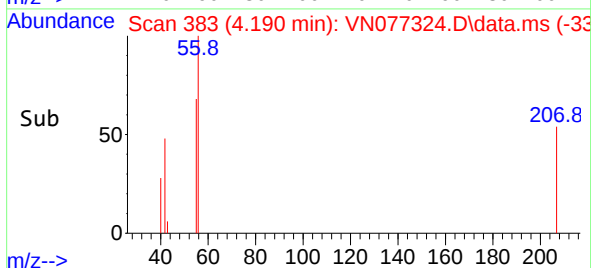
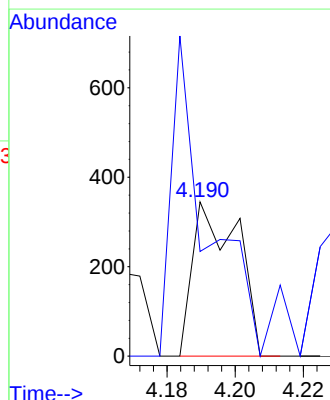
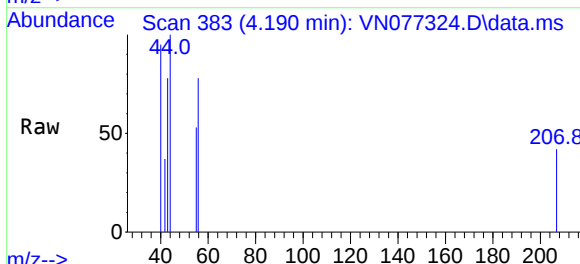
Acq: 13 Apr 2023 13:23

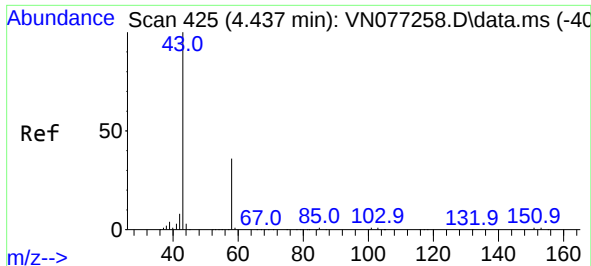
Tgt Ion: 56 Resp: 314

Ion Ratio Lower Upper

56 100

55 165.3 54.2 81.2#

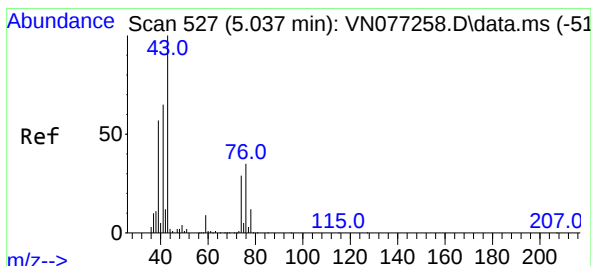
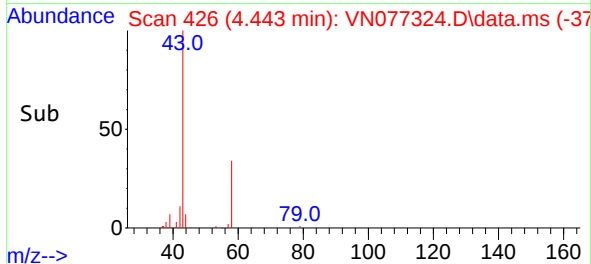
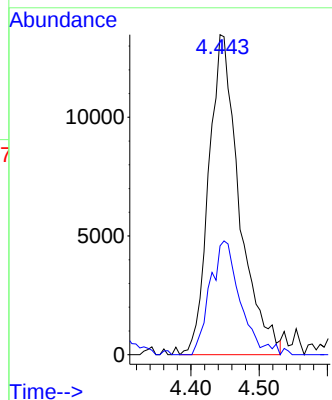
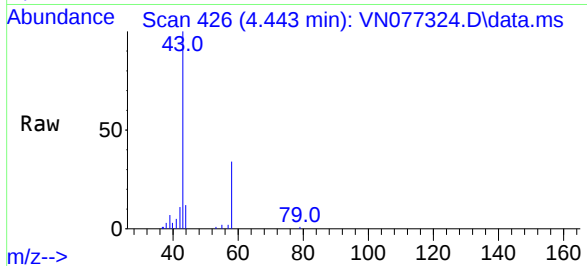




#16
Acetone
Concen: 15.842 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

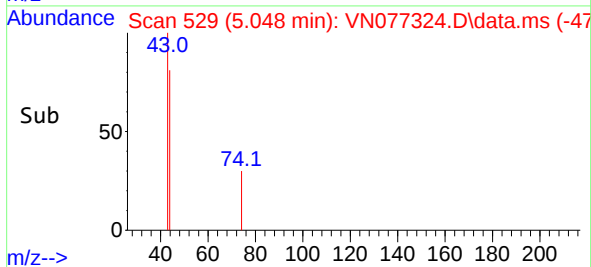
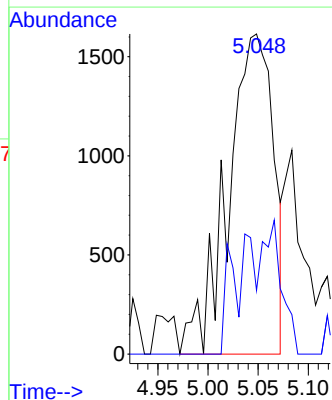
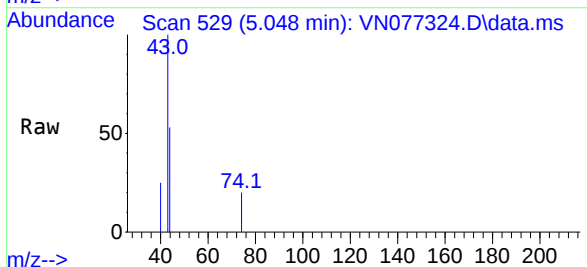
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

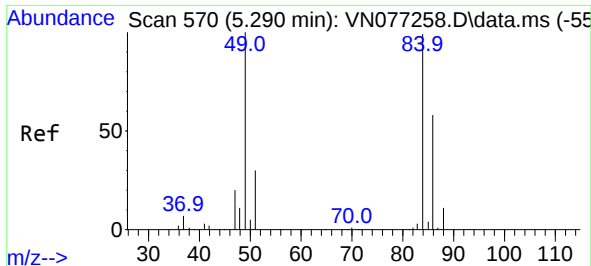
Tgt Ion: 43 Resp: 41950
Ion Ratio Lower Upper
43 100
58 34.0 29.0 43.6



#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
74 10.5 23.4 35.2#



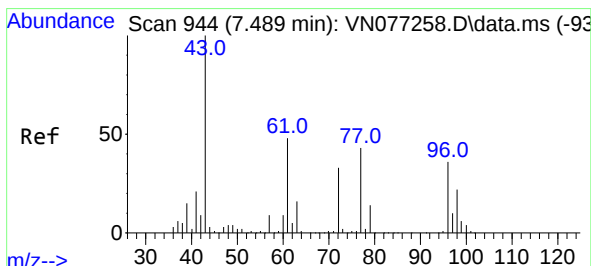
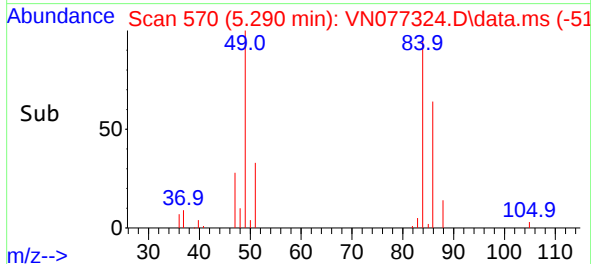
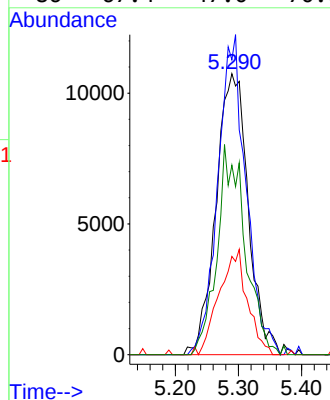
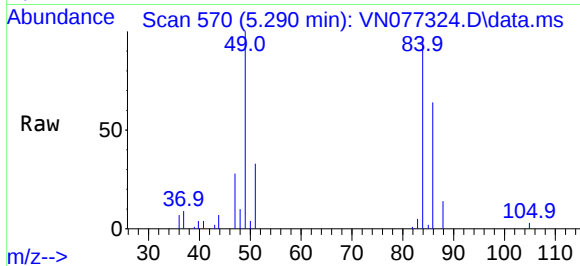


#20
Methylene Chloride
Concen: 5.082 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

Tgt Ion: 84 Resp: 38007

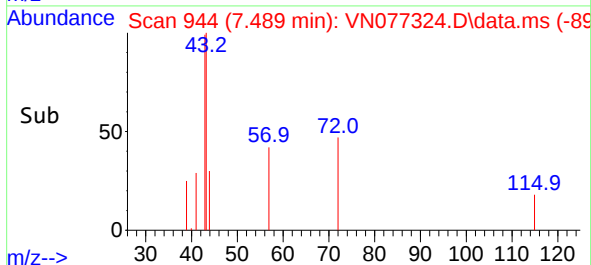
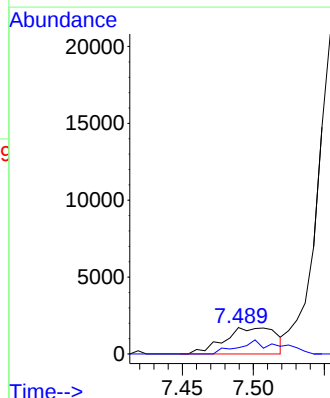
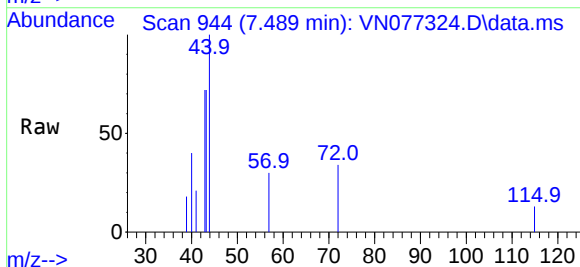
Ion	Ratio	Lower	Upper
84	100		
49	104.9	80.6	121.0
51	35.0	24.4	36.6
86	67.4	47.0	70.6

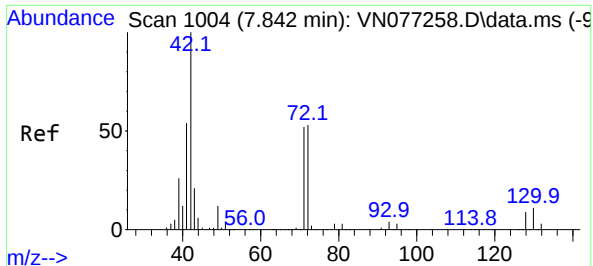


#25
2-Butanone
Concen: 1.010 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 43 Resp: 4339

Ion	Ratio	Lower	Upper
43	100		
72	23.5	26.6	39.8#

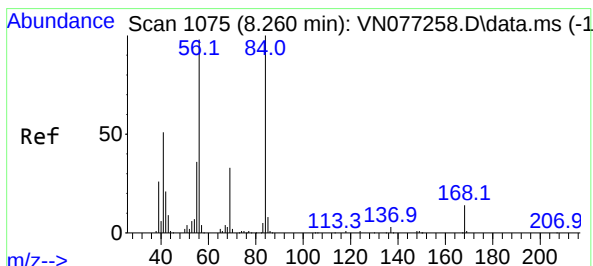
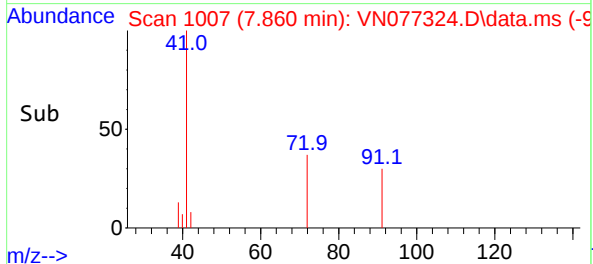
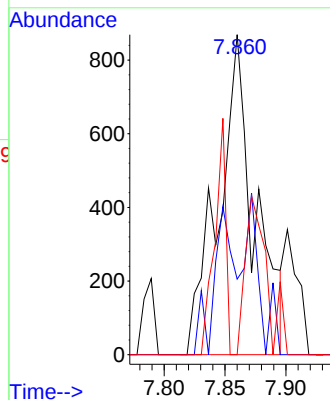
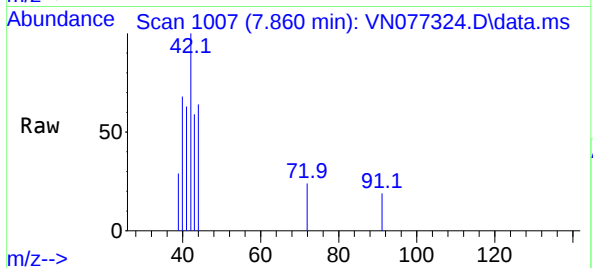




#29
Tetrahydrofuran
Concen: 0.647 ug/l
RT: 7.860 min Scan# 1070
Delta R.T. 0.018 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

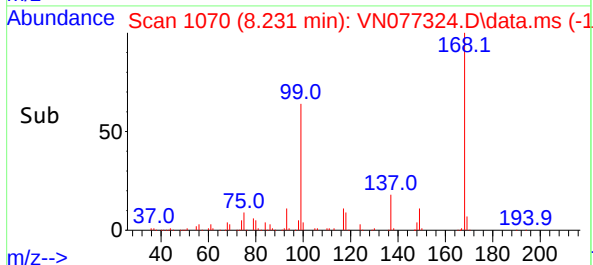
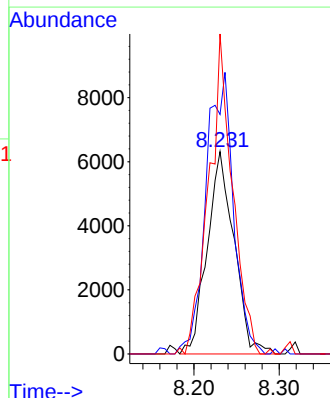
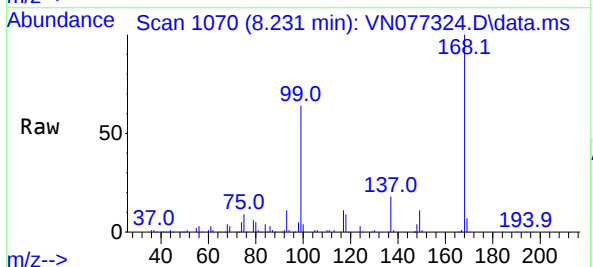
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

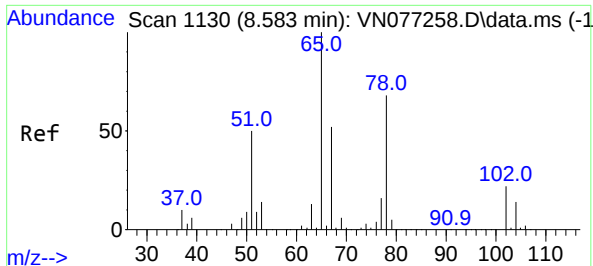
Tgt Ion:	42	Resp:	1787
Ion	Ratio	Lower	Upper
42	100		
72	21.2	44.6	66.8#
71	29.6	41.3	61.9#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion:	56	Resp:	13838
Ion	Ratio	Lower	Upper
56	100		
69	118.4	26.6	40.0#
84	158.1	81.8	122.8#

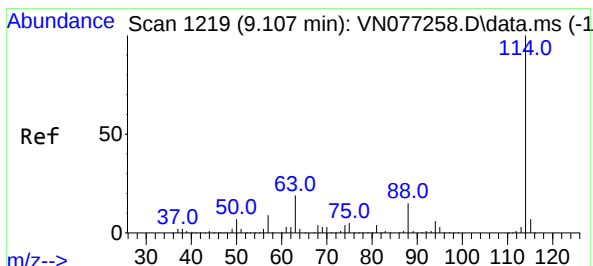
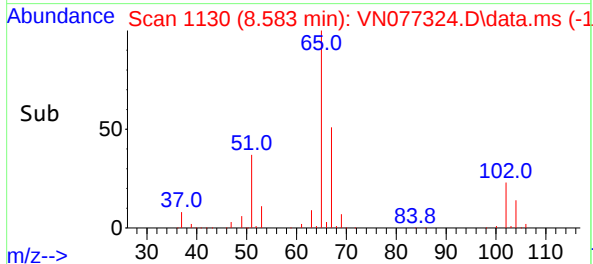
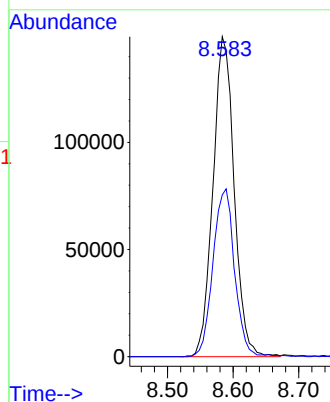
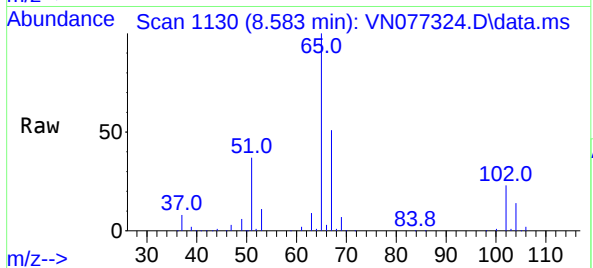




#33
1,2-Dichloroethane-d4
Concen: 46.538 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

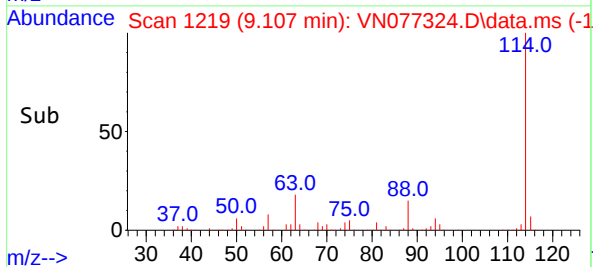
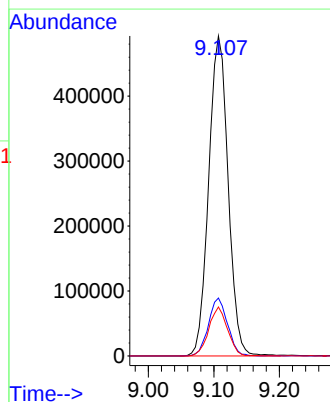
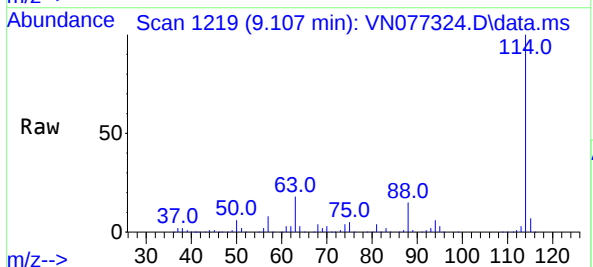
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

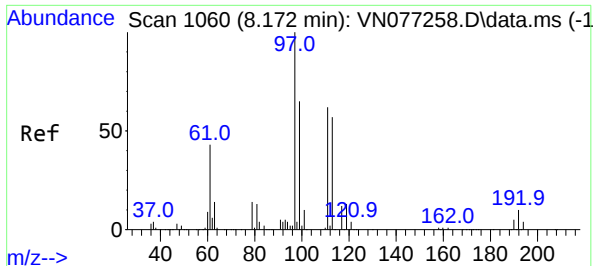
Tgt Ion: 65 Resp: 334245
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 114 Resp: 1014945
Ion Ratio Lower Upper
114 100
63 18.1 0.0 37.8
88 15.3 0.0 29.4

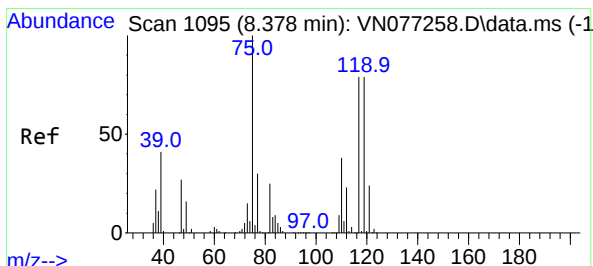
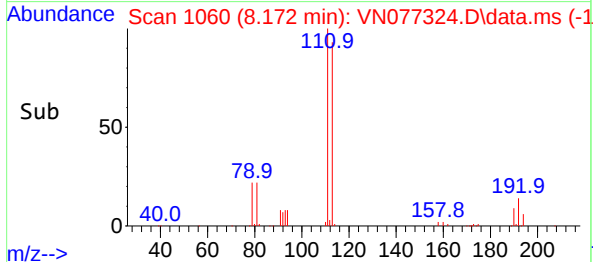
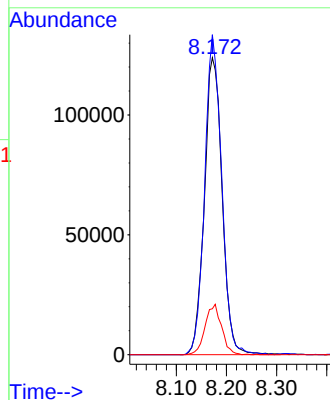
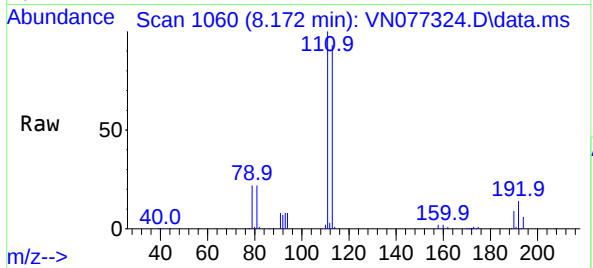




#35
Dibromofluoromethane
Concen: 47.009 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

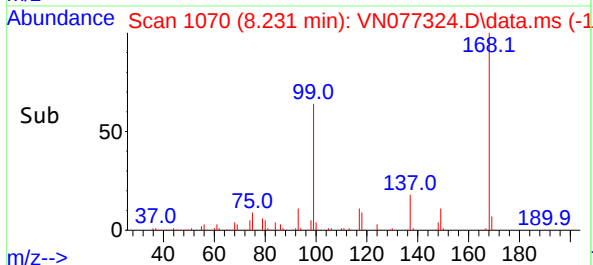
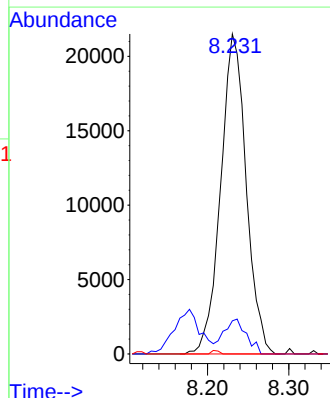
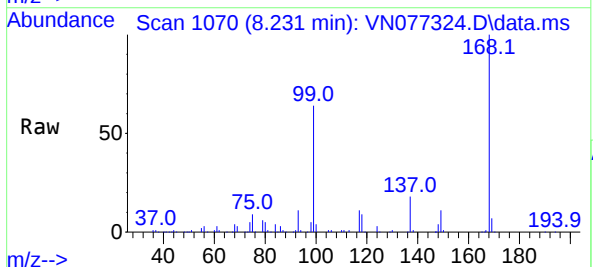
Instrument : MSVOA_N
ClientSampleId : IDW-SO-VB1-041123

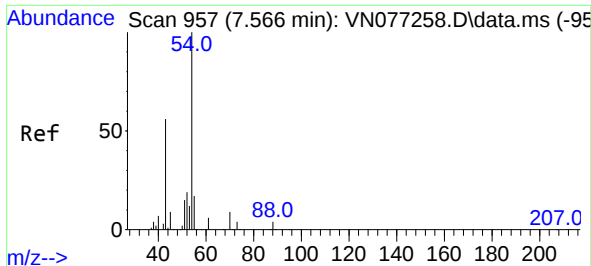
Tgt Ion: 113 Resp: 305437
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 15.7 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 75 Resp: 46963
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 25.0 37.4#

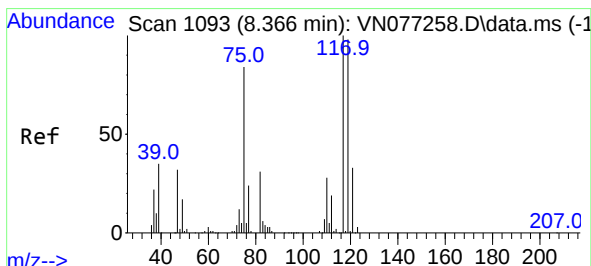
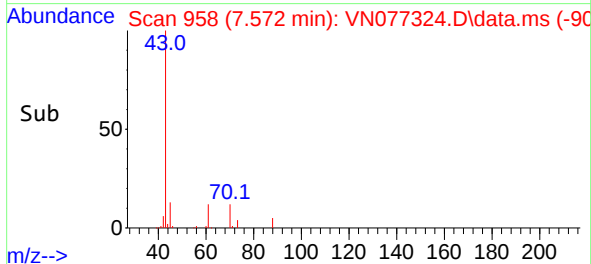
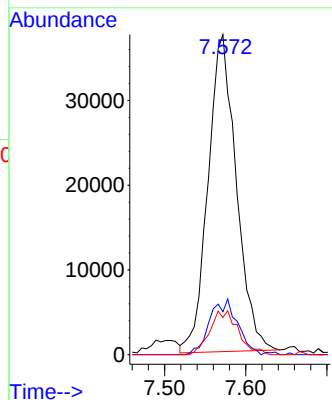
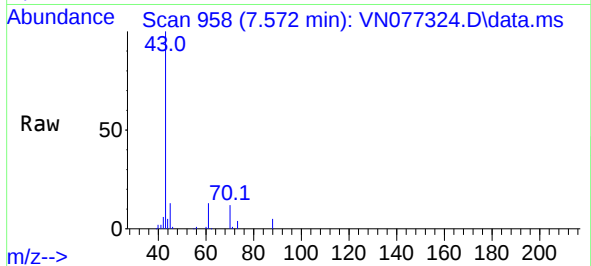




#37
Ethyl Acetate
Concen: 10.543 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

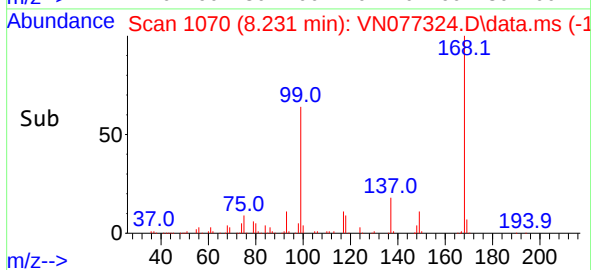
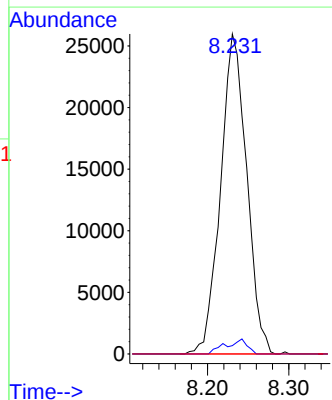
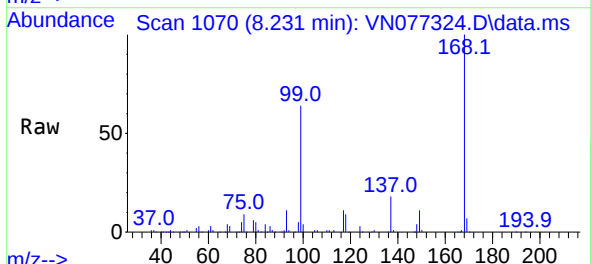
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

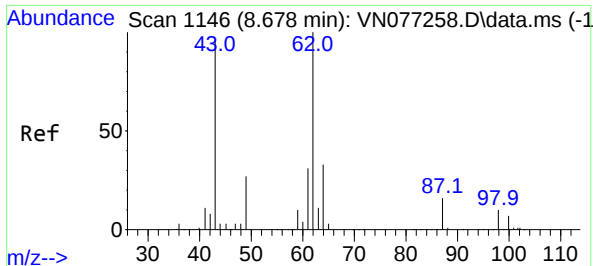
Tgt Ion: 43 Resp: 90646
Ion Ratio Lower Upper
43 100
61 17.2 12.2 18.2
70 14.0 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 117 Resp: 58128
Ion Ratio Lower Upper
117 100
119 2.6 78.5 117.7#
121 0.0 26.6 40.0#

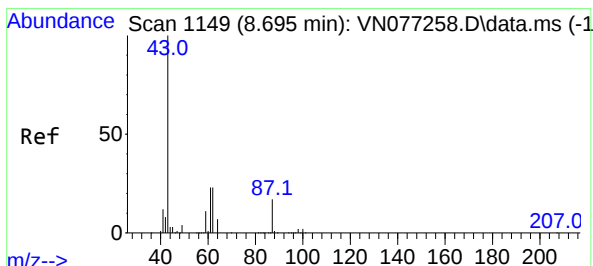
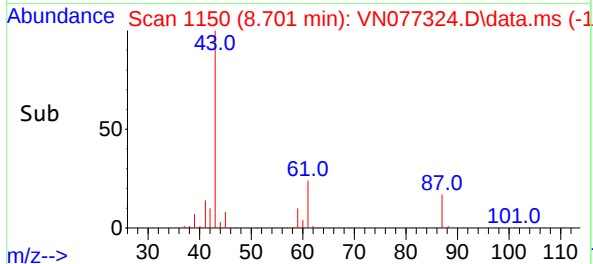
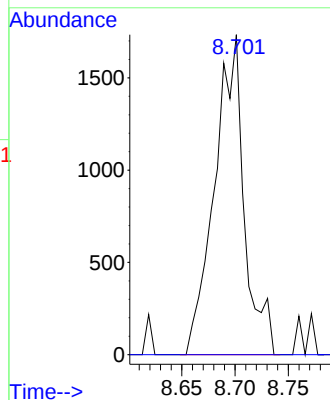
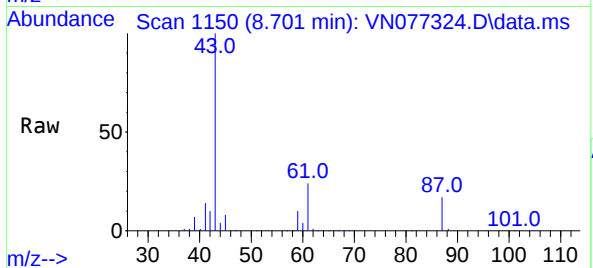




#42
1,2-Dichloroethane
Concen: 0.364 ug/l
RT: 8.701 min Scan# 1150
Delta R.T. 0.023 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

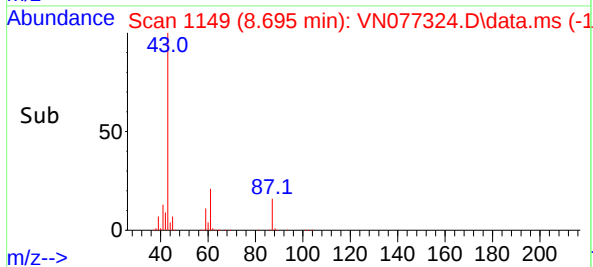
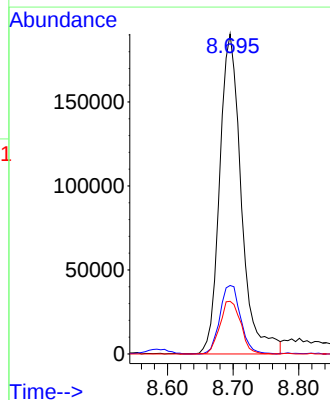
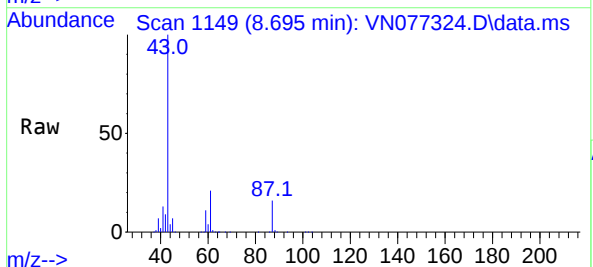
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

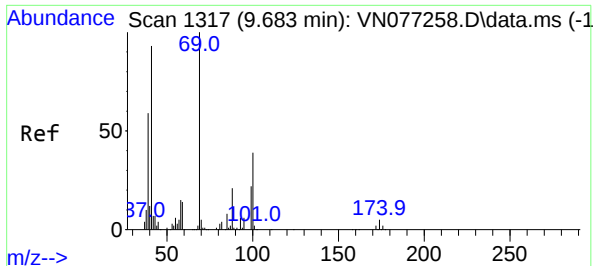
Tgt Ion: 62 Resp: 3356
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 27.501 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 43 Resp: 436298
Ion Ratio Lower Upper
43 100
61 20.4 22.7 34.1#
87 15.8 13.6 20.4





#48

Methyl methacrylate

Concen: 1.481 ug/l

RT: 9.672 min Scan# 11

Delta R.T. -0.011 min

Lab File: VN077324.D

Acq: 13 Apr 2023 13:23

Instrument :

MSVOA_N

ClientSampleId :

IDW-SO-VB1-041123

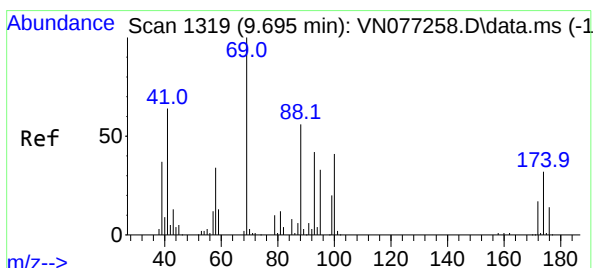
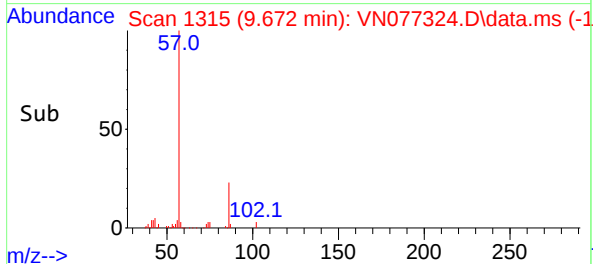
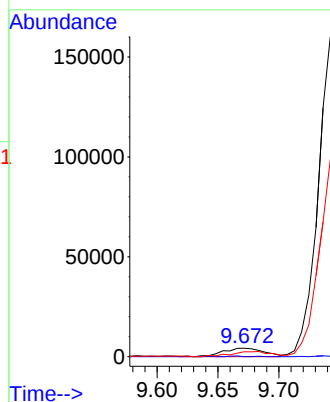
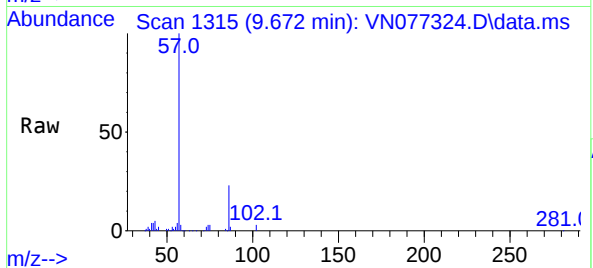
Tgt Ion: 41 Resp: 10023

Ion Ratio Lower Upper

41 100

69 2.3 85.0 127.6#

39 0.0 53.5 80.3#



#49

1,4-Dioxane

Concen: 0.585 ug/l

RT: 9.678 min Scan# 1316

Delta R.T. -0.017 min

Lab File: VN077324.D

Acq: 13 Apr 2023 13:23

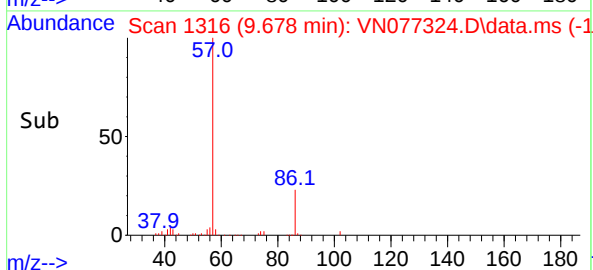
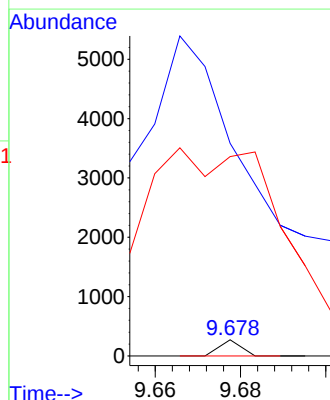
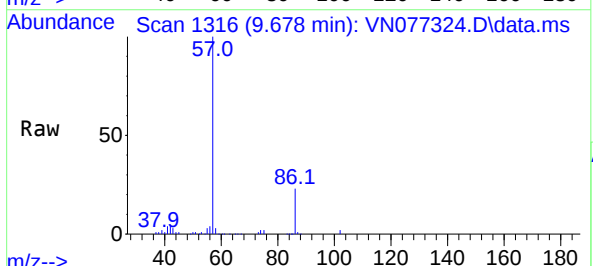
Tgt Ion: 88 Resp: 96

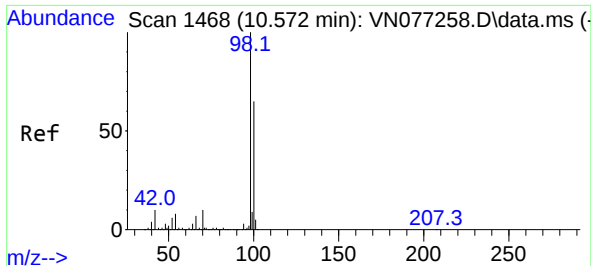
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 9151.0 49.8 74.6#

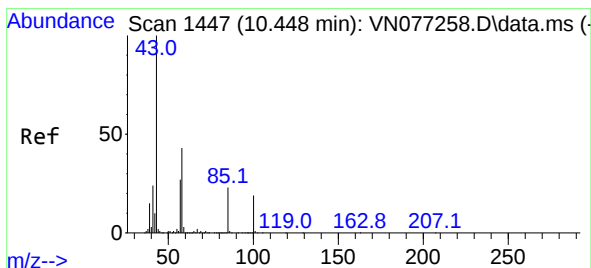
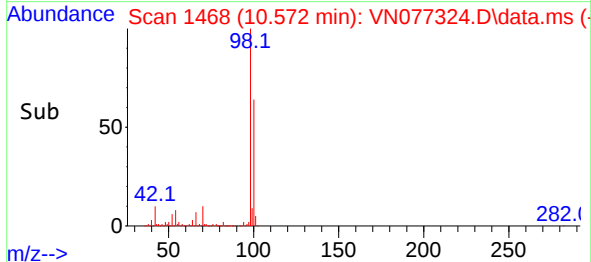
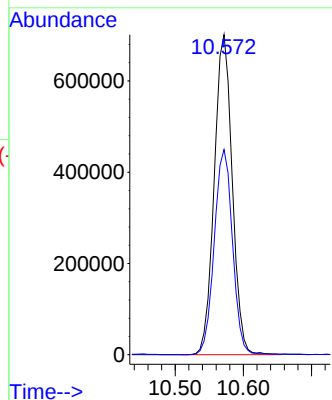
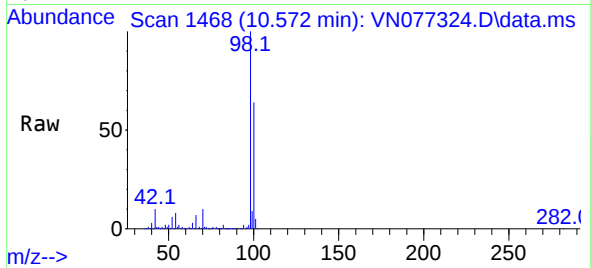




#50
Toluene-d8
Concen: 49.310 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

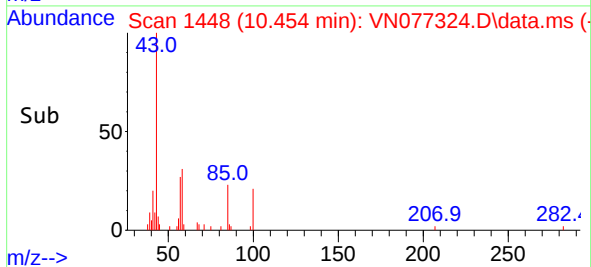
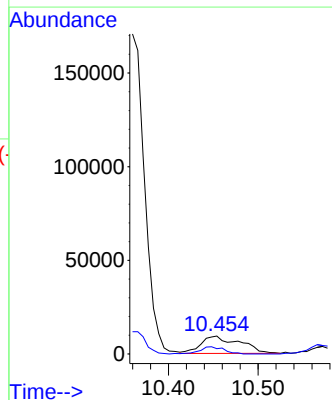
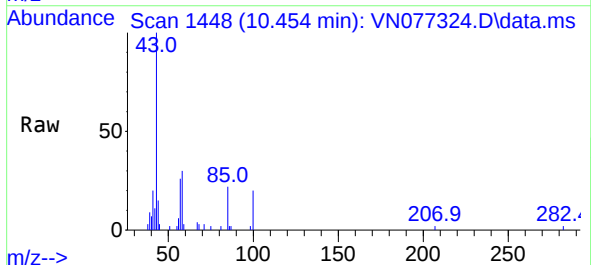
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

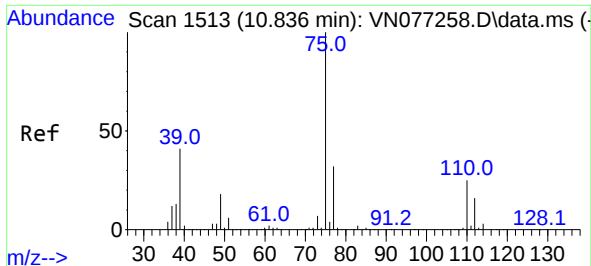
Tgt Ion: 98 Resp: 1289758
Ion Ratio Lower Upper
98 100
100 65.1 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 3.054 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 43 Resp: 28004
Ion Ratio Lower Upper
43 100
58 25.8 34.6 52.0#

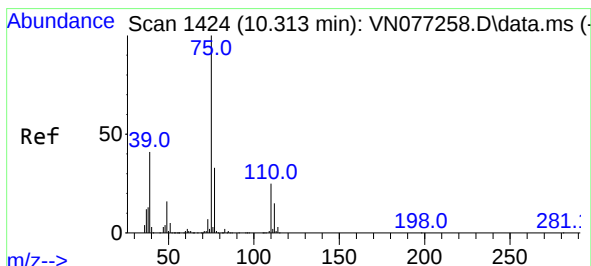
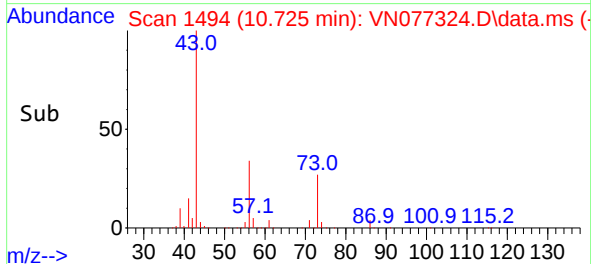
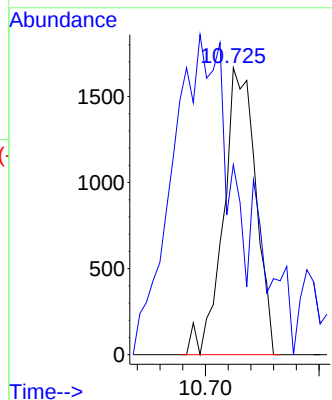
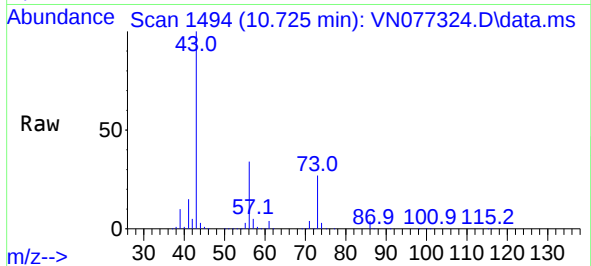




#53
t-1,3-Dichloropropene
Concen: 0.282 ug/l
RT: 10.725 min Scan# 14
Delta R.T. -0.111 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

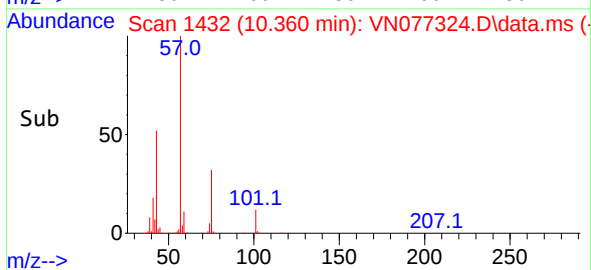
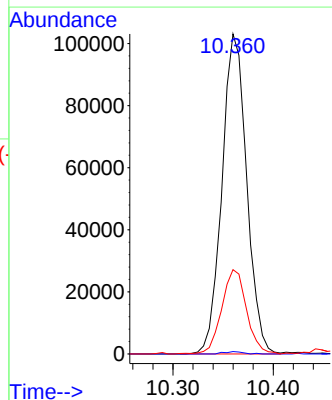
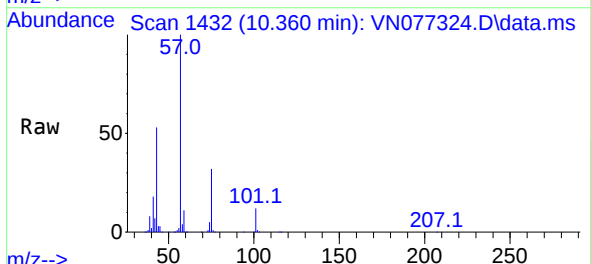
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

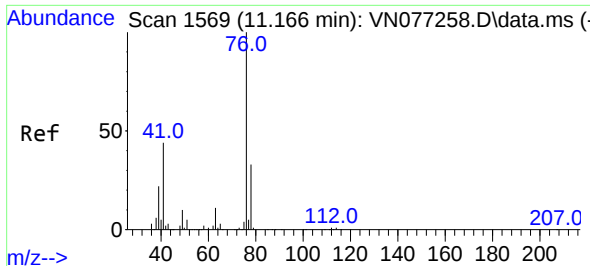
Tgt Ion: 75 Resp: 3279
Ion Ratio Lower Upper
75 100
77 40.4 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 14.214 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 75 Resp: 176250
Ion Ratio Lower Upper
75 100
77 0.8 26.7 40.1#
39 26.3 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 1.714 ug/l

RT: 11.201 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN077324.D

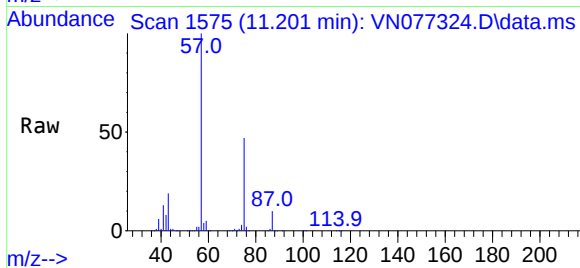
Acq: 13 Apr 2023 13:23

Instrument :

MSVOA_N

ClientSampleId :

IDW-SO-VB1-041123

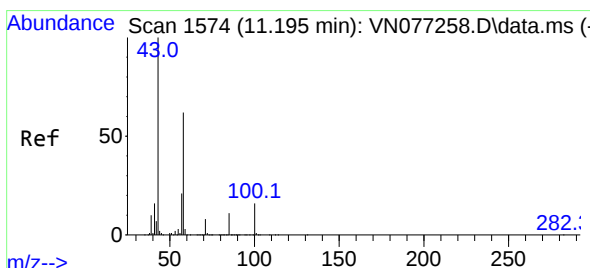
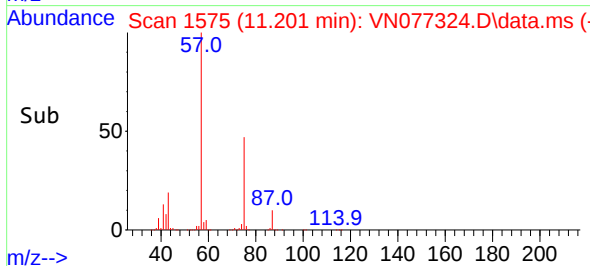
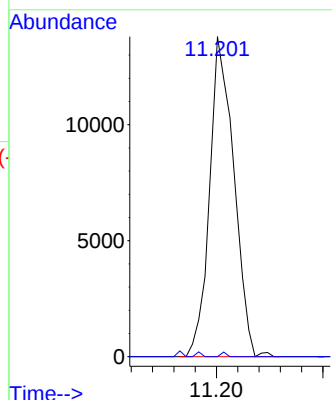


Tgt Ion: 76 Resp: 21811

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.4#



#59

2-Hexanone

Concen: 45.983 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN077324.D

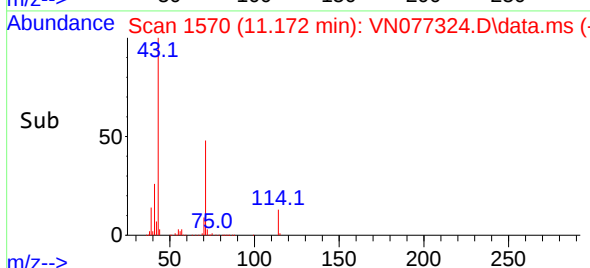
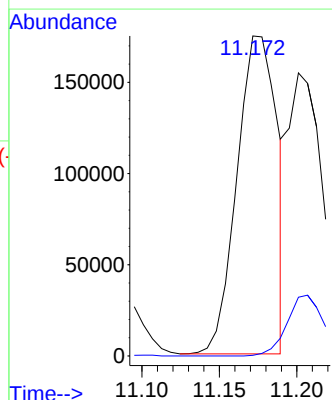
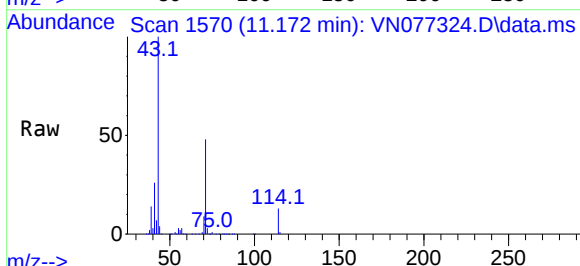
Acq: 13 Apr 2023 13:23

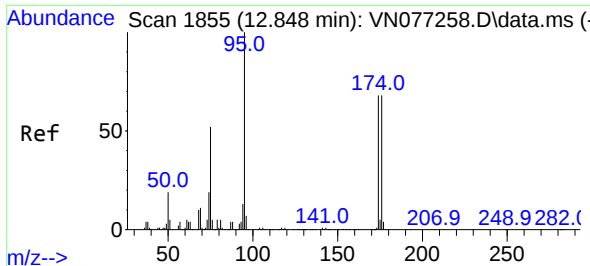
Tgt Ion: 43 Resp: 314153

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#



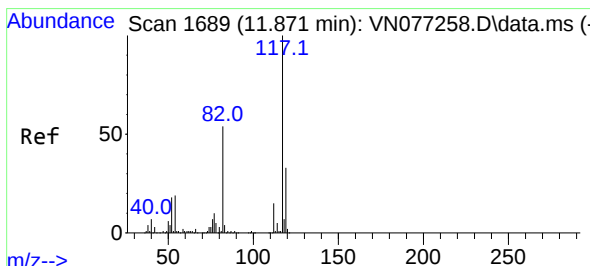
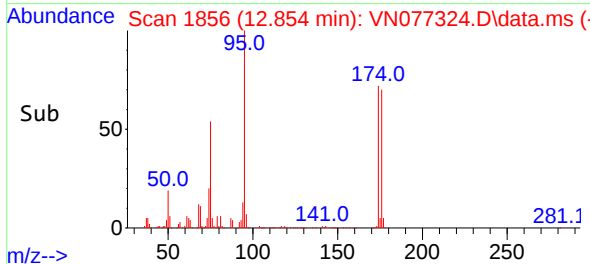
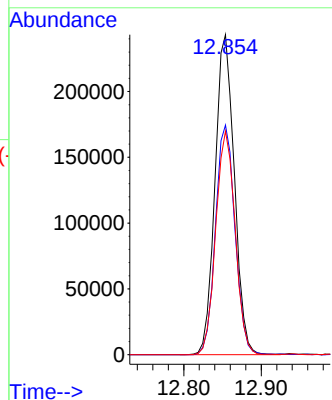
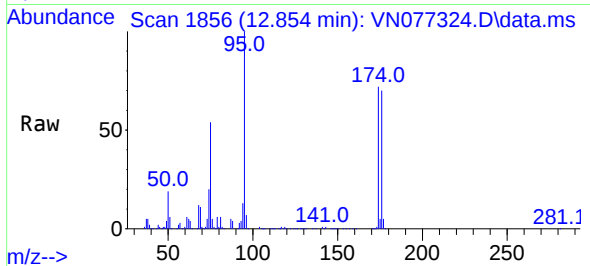


#62
4-Bromofluorobenzene
Concen: 48.446 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Instrument : MSVOA_N
ClientSampleId : IDW-SO-VB1-041123

Tgt Ion: 95 Resp: 421439

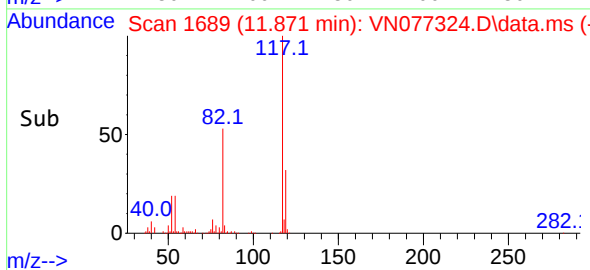
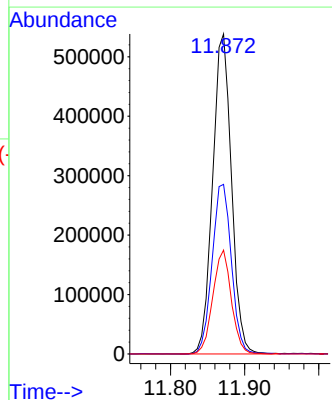
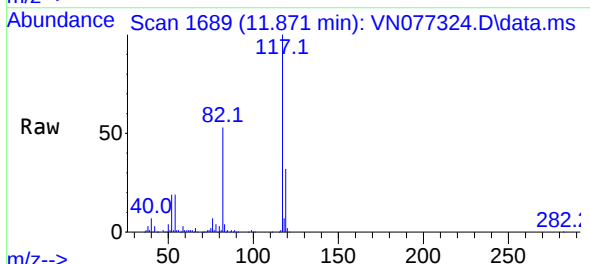
Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	146.8
176	70.3	0.0	139.6

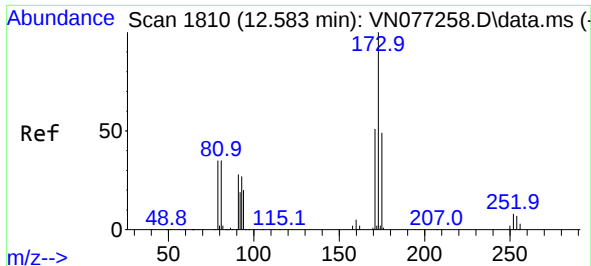


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion: 117 Resp: 949926

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.9	64.3
119	32.4	26.2	39.4

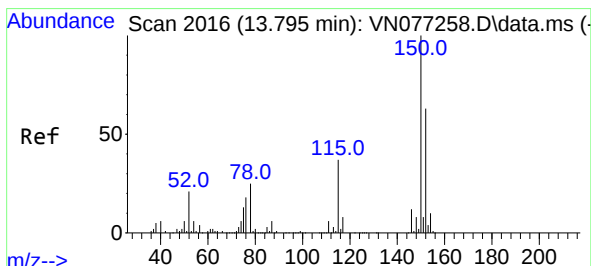
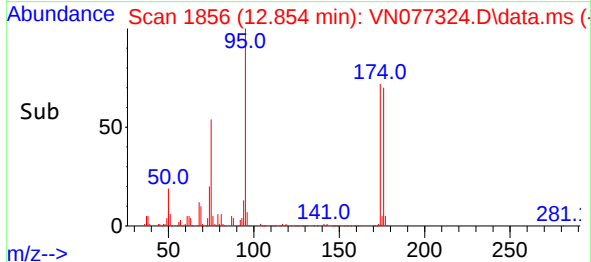
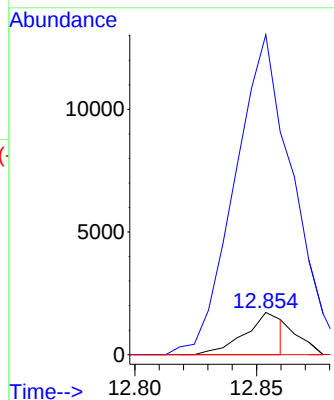
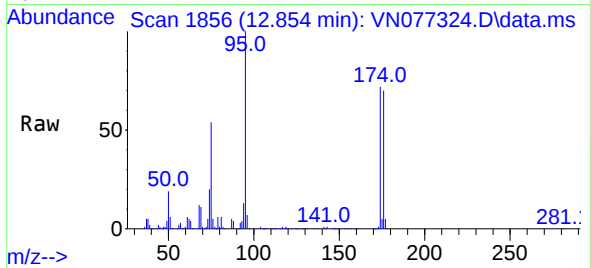




#71
Bromoform
Concen: 0.332 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

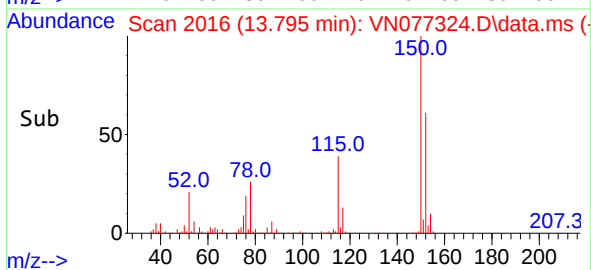
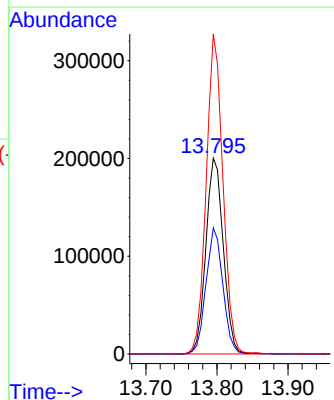
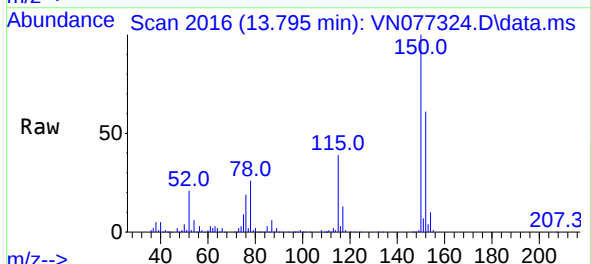
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

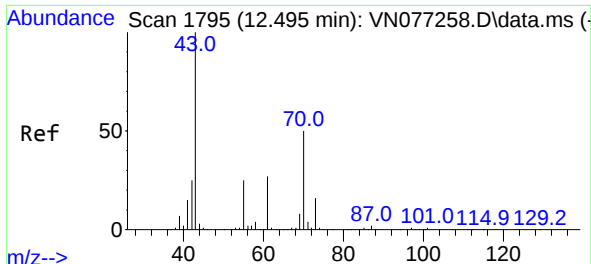
Tgt Ion:173 Resp: 1851
Ion Ratio Lower Upper
173 100
175 911.2 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

Tgt Ion:152 Resp: 341757
Ion Ratio Lower Upper
152 100
115 62.5 32.1 96.3
150 156.7 0.0 354.8

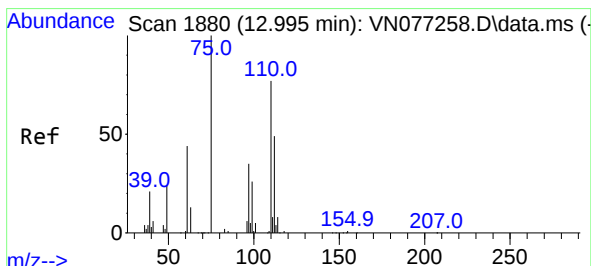
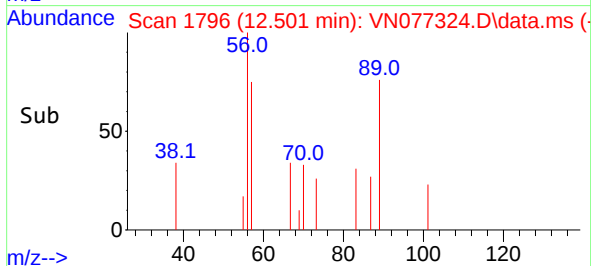
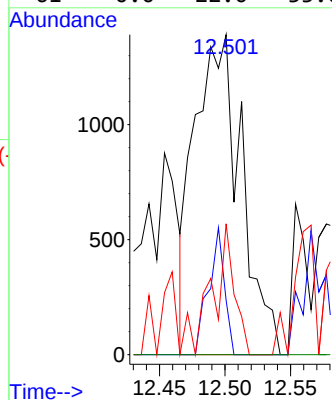
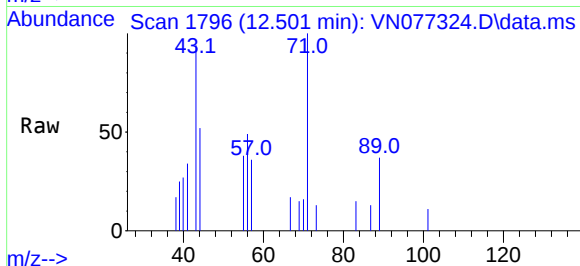




#74
N-amy1 acetate
Concen: 0.274 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

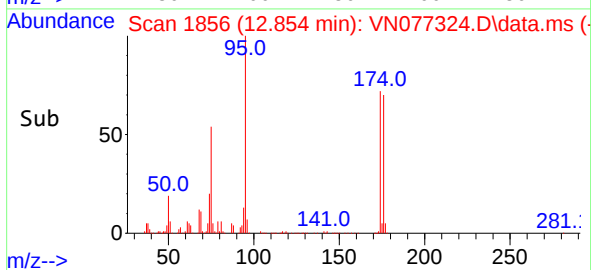
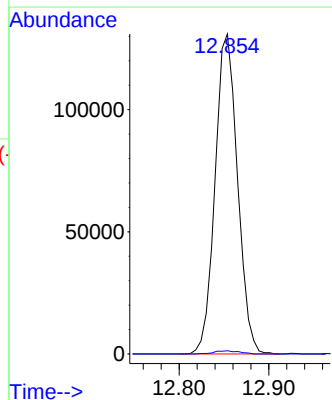
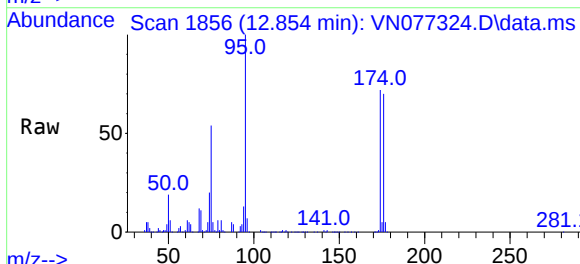
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-VB1-041123

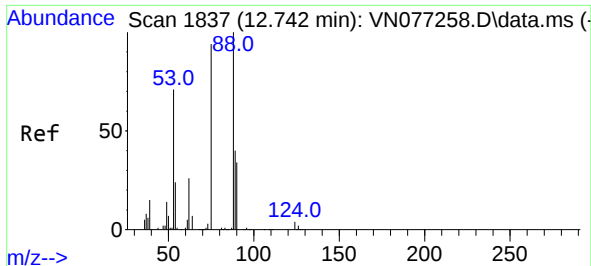
Tgt Ion: 43	Resp: 3449
Ion Ratio	Lower Upper
43 100	
70 13.5	41.0 61.6#
55 17.9	19.3 28.9#
61 0.0	22.0 33.0#



#76
1,2,3-Trichloropropane
Concen: 27.928 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077324.D
Acq: 13 Apr 2023 13:23

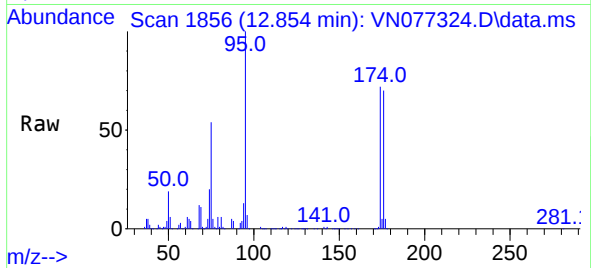
Tgt Ion: 75	Resp: 227279
Ion Ratio	Lower Upper
75 100	
77 1.1	88.3 264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.846 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077324.D
 Acq: 13 Apr 2023 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-SO-VB1-041123



Tgt Ion: 75 Resp: 227279
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 37.4 56.2#

