

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080164.D
 Acq On : 17 Nov 2023 15:41
 Operator : JC\MD
 Sample : 05449-29
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 02:31:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

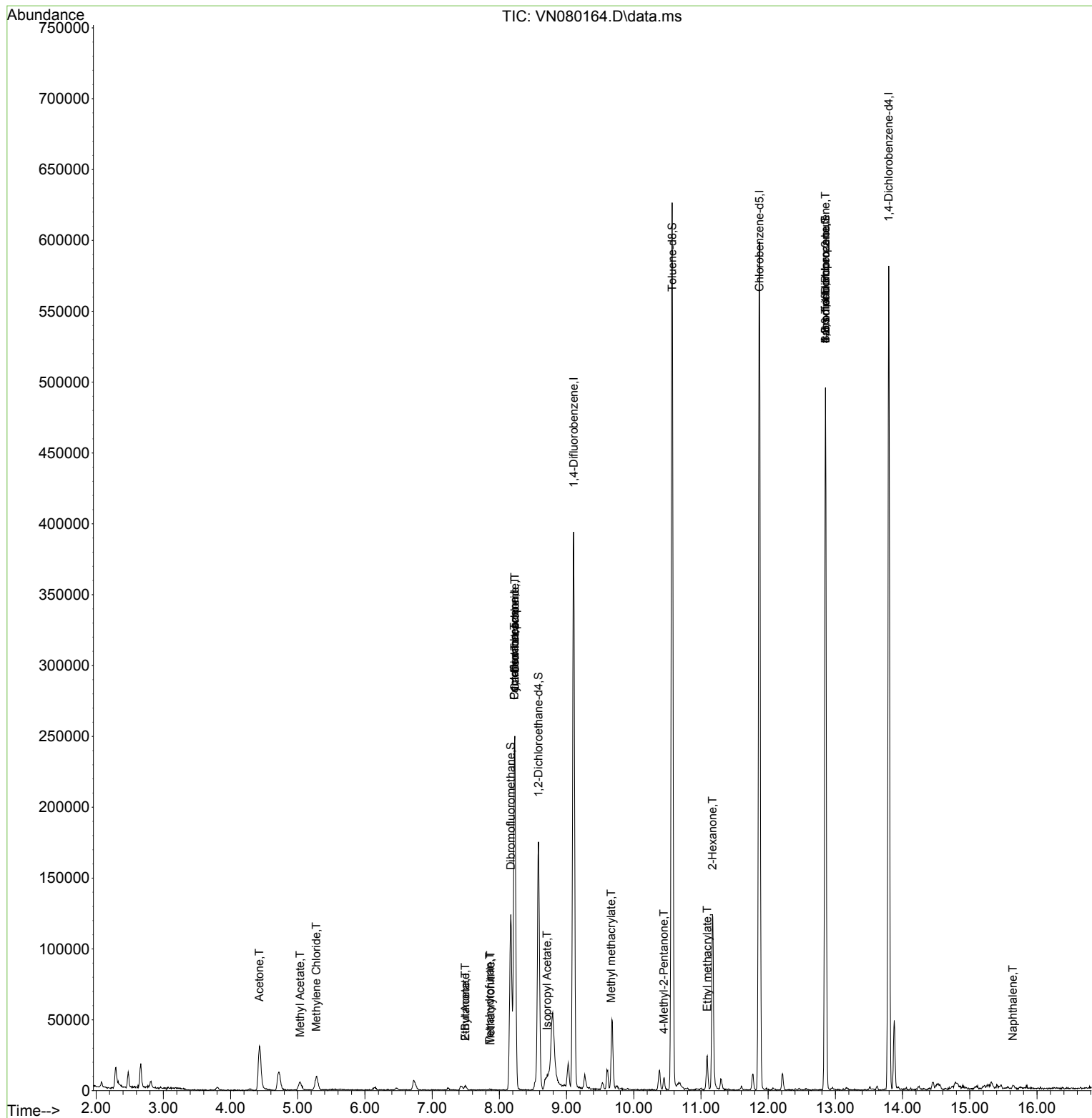
Internal Standards						
1) Pentafluorobenzene	8.224	168	173106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	345446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156137	54.627	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.260%	
35) Dibromofluoromethane	8.171	113	86027	35.578	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 71.160%#	
50) Toluene-d8	10.571	98	437510	50.194	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.380%	
62) 4-Bromofluorobenzene	12.853	95	168406	51.151	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.300%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	282	Below Cal	#	43
16) Acetone	4.430	43	61042	63.584	ug/l	95
18) Methyl Acetate	5.036	43	11162	3.619	ug/l	90
20) Methylene Chloride	5.277	84	8090	4.024	ug/l	88
25) 2-Butanone	7.494	43	4302	3.772	ug/l	93
29) Tetrahydrofuran	7.853	42	198	0.323	ug/l	# 41
31) Cyclohexane	8.224	56	3781	1.216	ug/l	# 2
36) 1,1-Dichloropropene	8.230	75	14141	4.039	ug/l	# 52
37) Ethyl Acetate	7.494	43	4302	1.772	ug/l	# 63
38) Carbon Tetrachloride	8.230	117	19436	4.375	ug/l	# 16
41) Methacrylonitrile	7.871	41	287	0.215	ug/l	# 15
43) Isopropyl Acetate	8.712	43	9000	1.905	ug/l	# 49
48) Methyl methacrylate	9.665	41	3625	1.489	ug/l	# 31
51) 4-Methyl-2-Pentanone	10.447	43	5330	2.179	ug/l	99
56) Ethyl methacrylate	11.094	69	518	0.213	ug/l	# 1
59) 2-Hexanone	11.171	43	91511	46.551	ug/l	# 19
71) Bromoform	12.853	173	1154	0.512	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	95284	25.916	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	95284	87.559	ug/l	# 15
95) Naphthalene	15.641	128	2544	0.298	ug/l	# 91

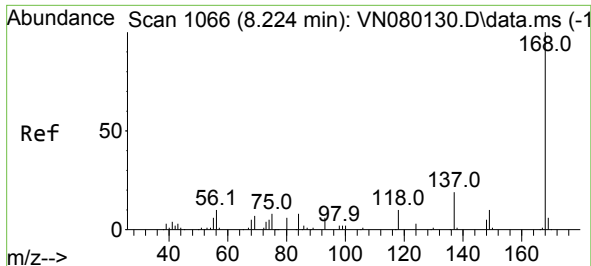
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
Data File : VN080164.D
Acq On : 17 Nov 2023 15:41
Operator : JC\MD
Sample : 05449-29
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 18 02:31:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

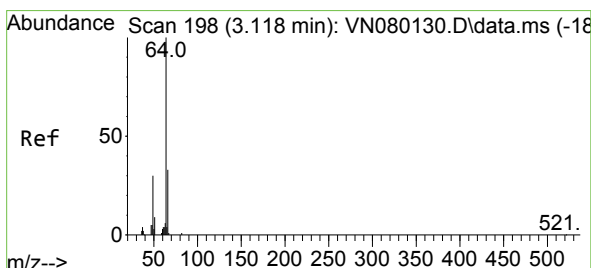
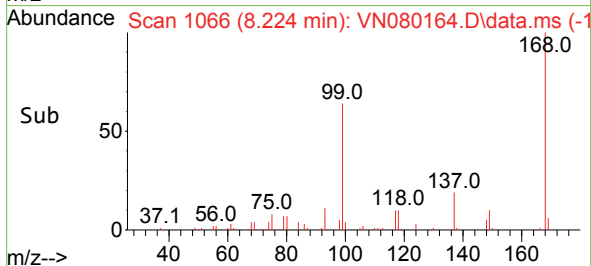
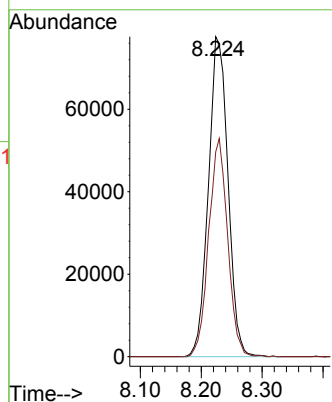
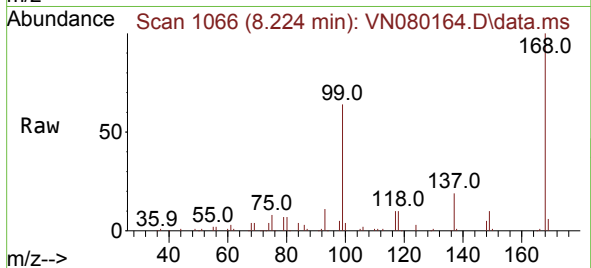




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

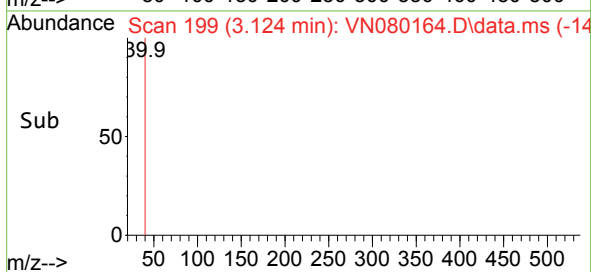
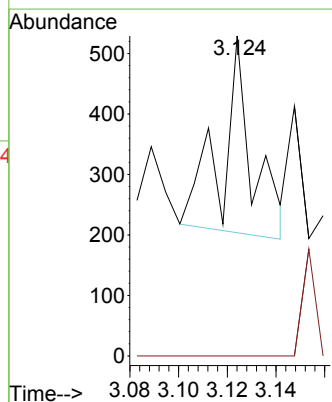
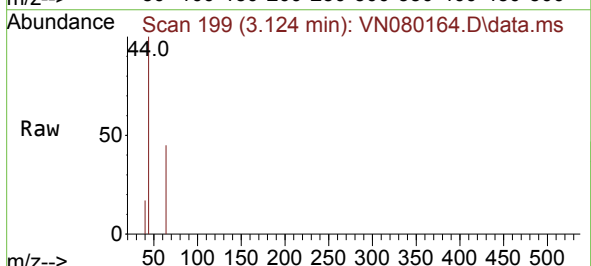
Instrument :
MSVOA_N
ClientSampleId :

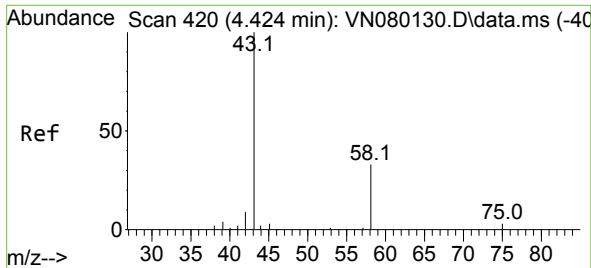
Tgt Ion:168 Resp: 173106
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Tgt Ion: 64 Resp: 282
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

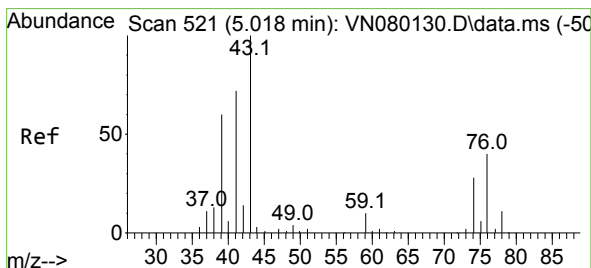
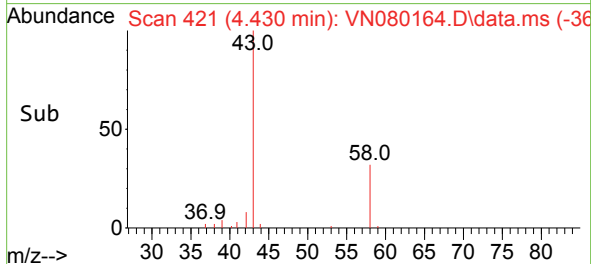
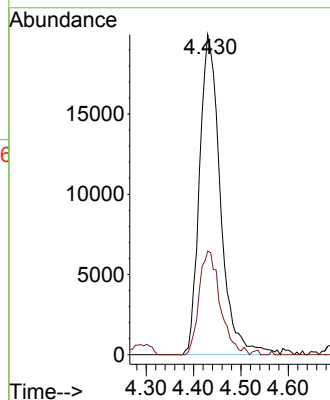
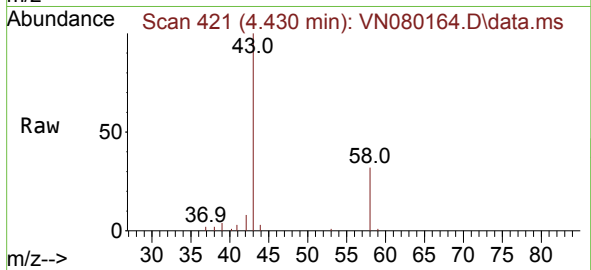




#16
Acetone
Concen: 63.584 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

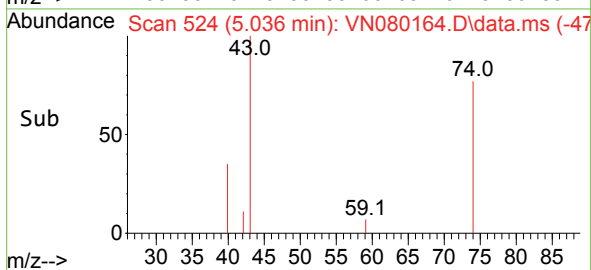
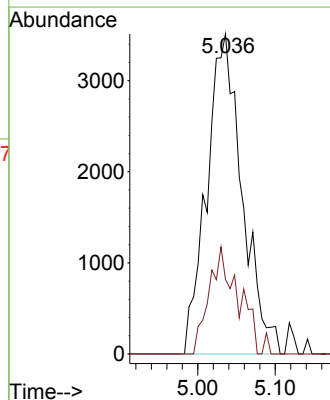
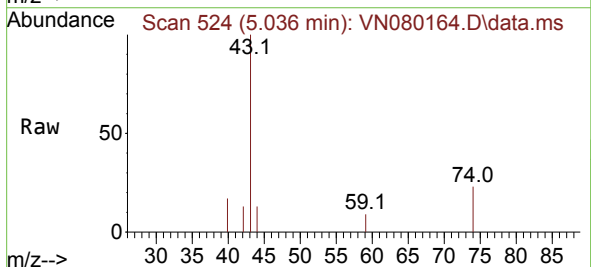
Instrument :
MSVOA_N
ClientSampleId :

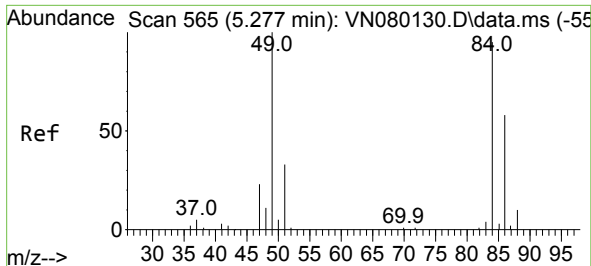
Tgt Ion: 43 Resp: 61042
Ion Ratio Lower Upper
43 100
58 32.4 28.0 42.0



#18
Methyl Acetate
Concen: 3.619 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

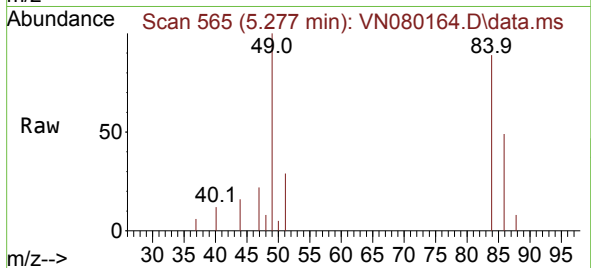
Tgt Ion: 43 Resp: 11162
Ion Ratio Lower Upper
43 100
74 27.3 26.2 39.4



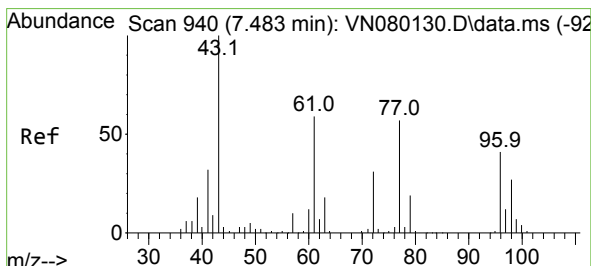
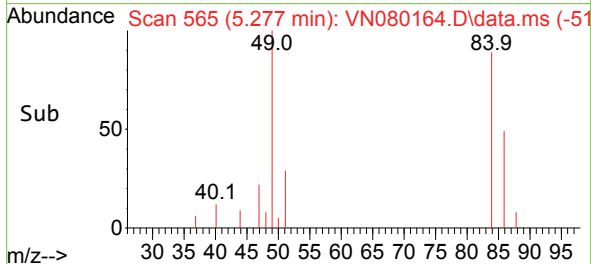
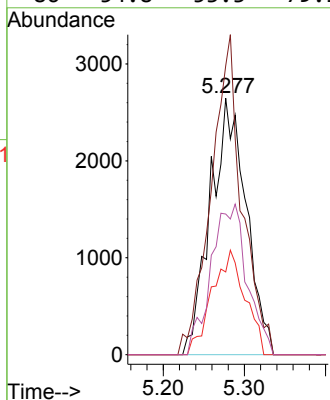


#20
Methylene Chloride
Concen: 4.024 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

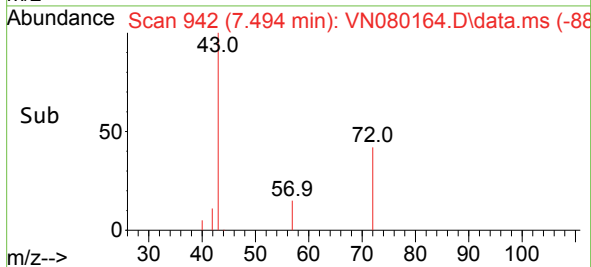
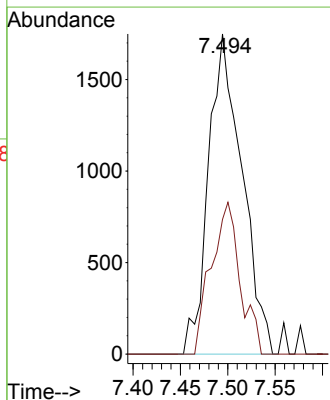
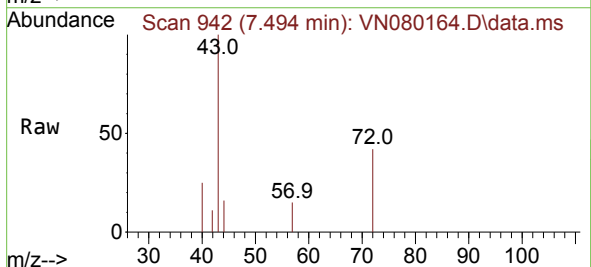


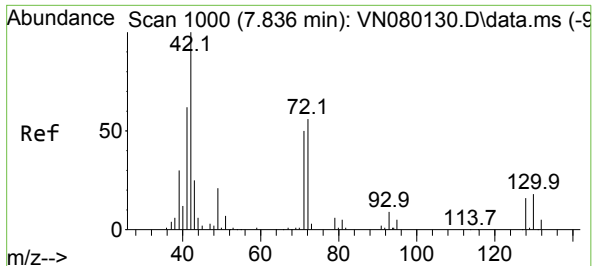
Tgt Ion:	84	Resp:	8090
Ion	Ratio	Lower	Upper
84	100		
49	112.7	79.7	119.5
51	32.2	25.2	37.8
86	54.8	53.3	79.9



#25
2-Butanone
Concen: 3.772 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Tgt Ion:	43	Resp:	4302
Ion	Ratio	Lower	Upper
43	100		
72	42.1	30.2	45.2





#29

Tetrahydrofuran

Concen: 0.323 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN080164.D

Acq: 17 Nov 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :

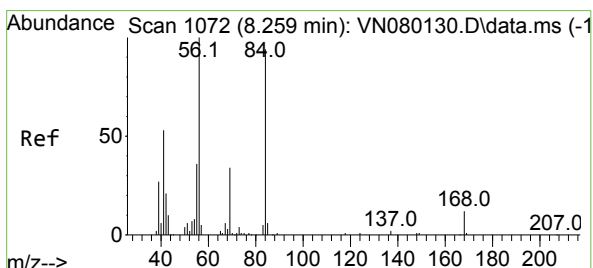
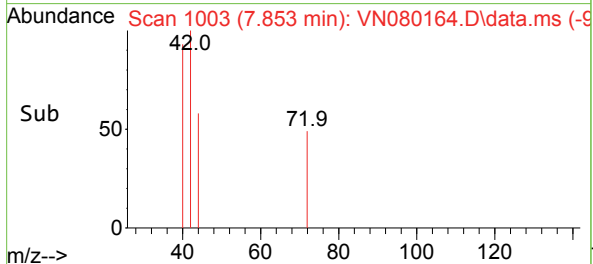
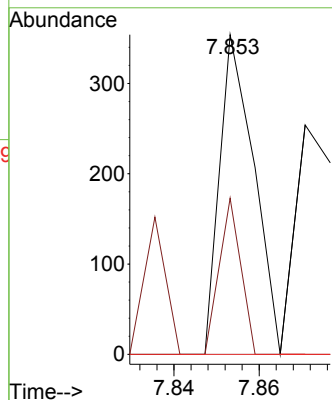
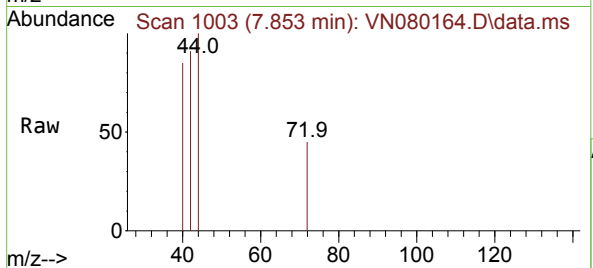
Tgt Ion: 42 Resp: 198

Ion Ratio Lower Upper

42 100

72 30.8 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN080164.D

Acq: 17 Nov 2023 15:41

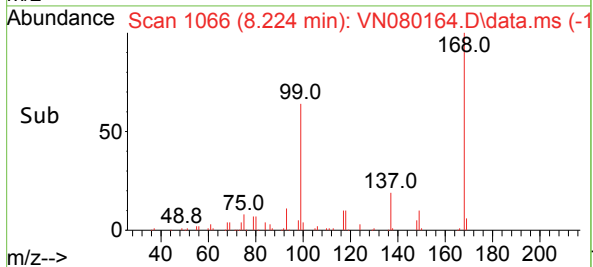
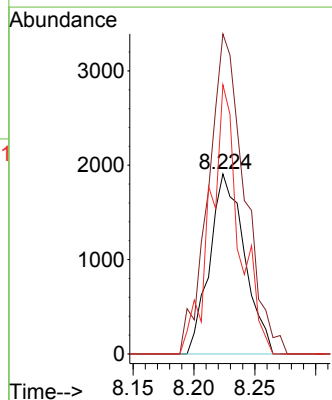
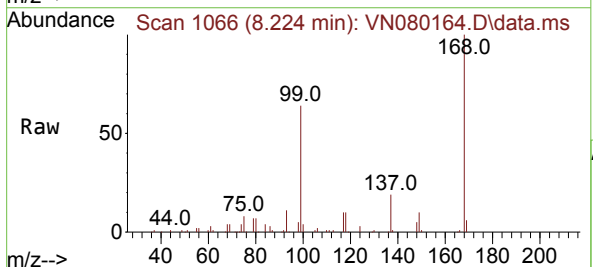
Tgt Ion: 56 Resp: 3781

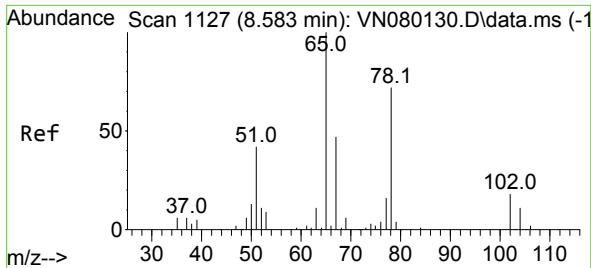
Ion Ratio Lower Upper

56 100

69 177.7 26.8 40.2#

84 149.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 54.627 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080164.D

Acq: 17 Nov 2023 15:41

Instrument :

MSVOA_N

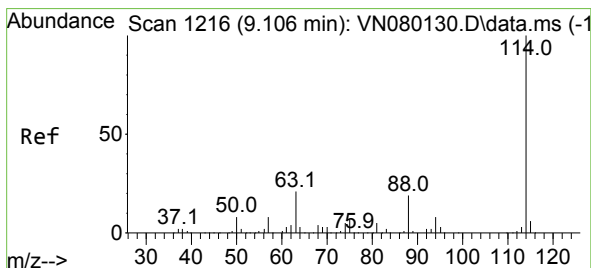
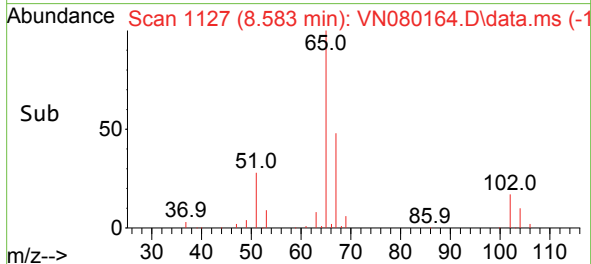
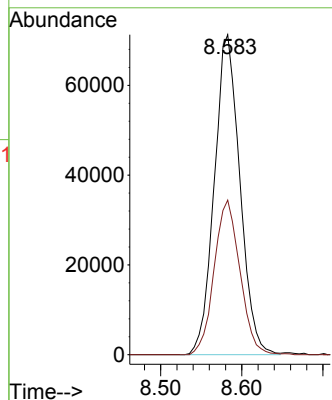
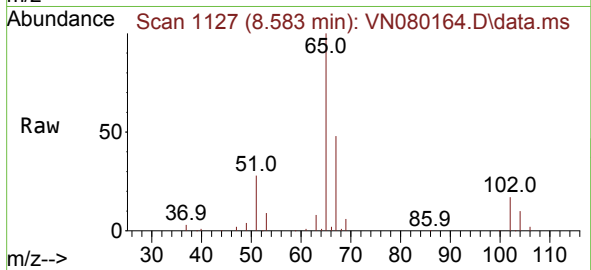
ClientSampleId :

Tgt Ion: 65 Resp: 156137

Ion Ratio Lower Upper

65 100

67 48.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080164.D

Acq: 17 Nov 2023 15:41

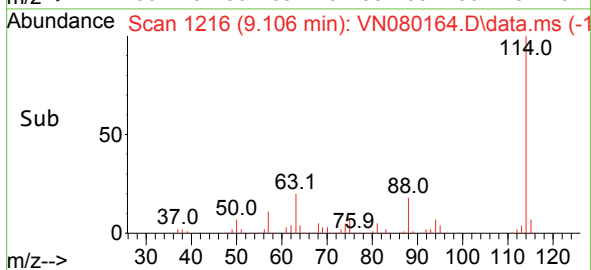
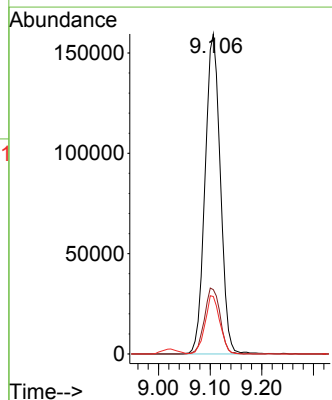
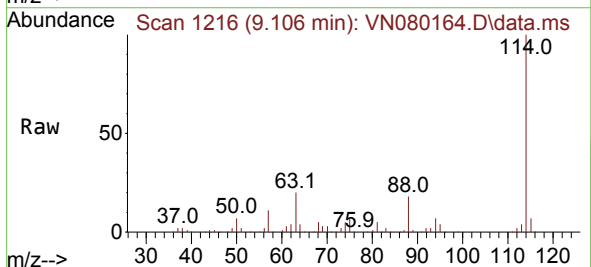
Tgt Ion: 114 Resp: 327698

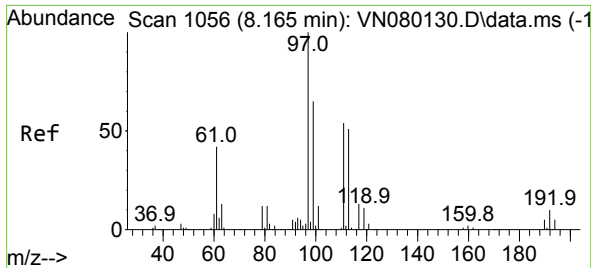
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

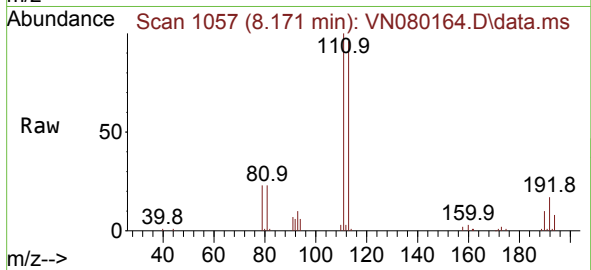
88 17.9 0.0 30.6



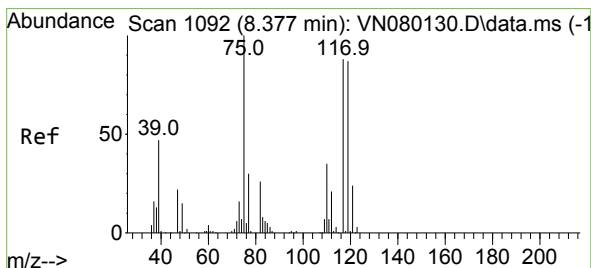
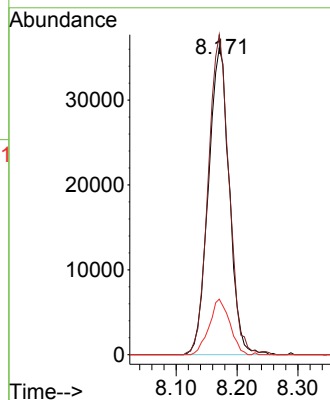
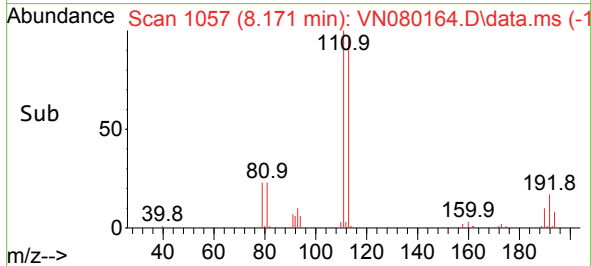


#35
Dibromofluoromethane
Concen: 35.578 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

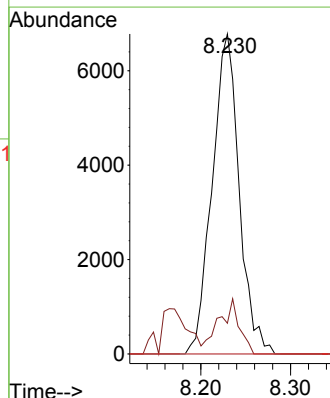
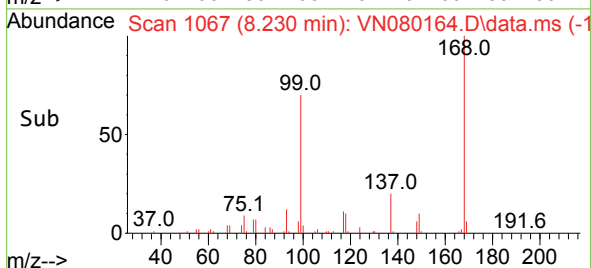
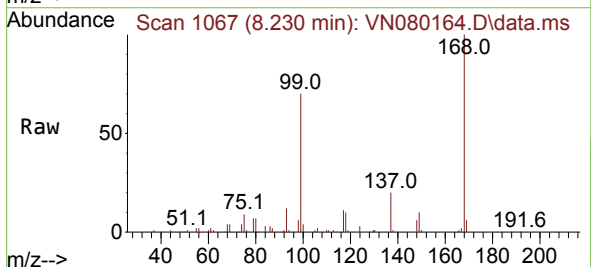


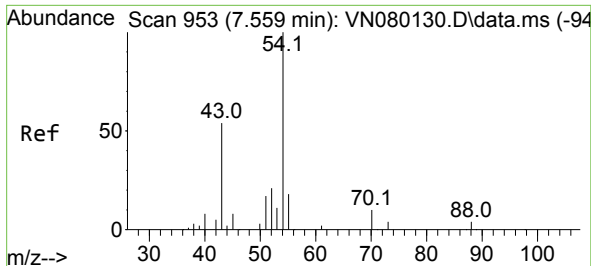
Tgt Ion:113 Resp: 86027
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 17.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.039 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

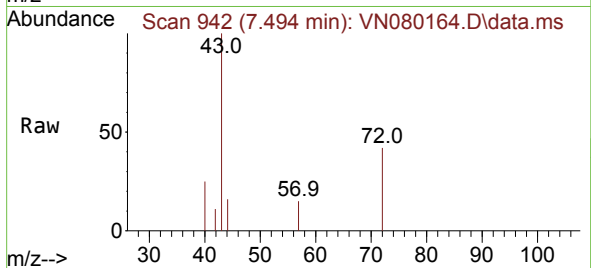
Tgt Ion: 75 Resp: 14141
Ion Ratio Lower Upper
75 100
110 13.2 19.1 57.3#
77 0.0 25.0 37.4#



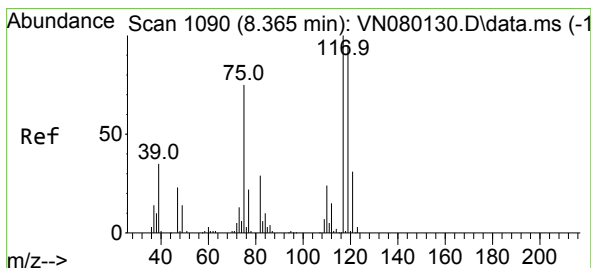
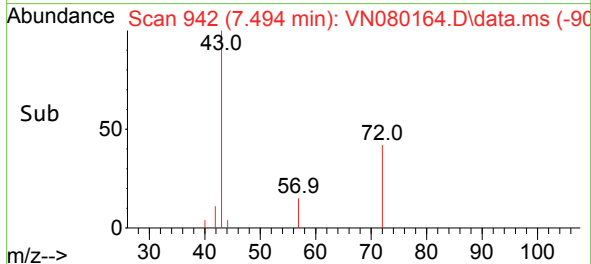
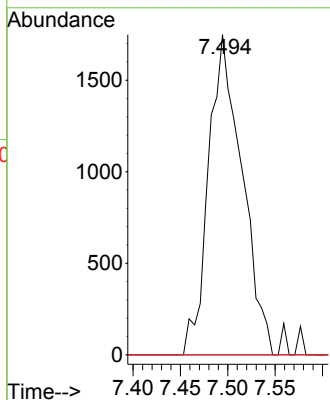


#37
Ethyl Acetate
Concen: 1.772 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

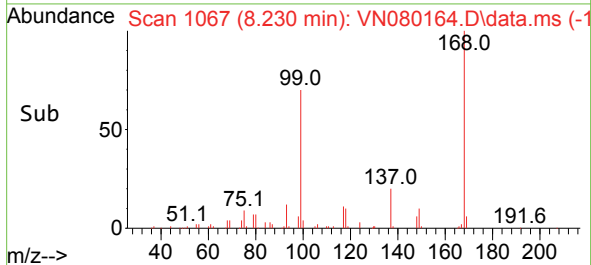
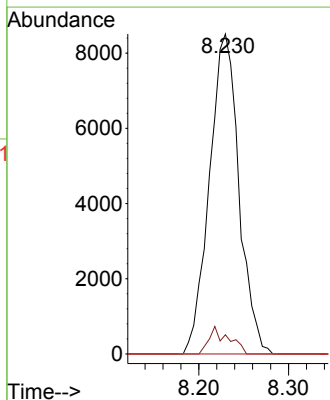
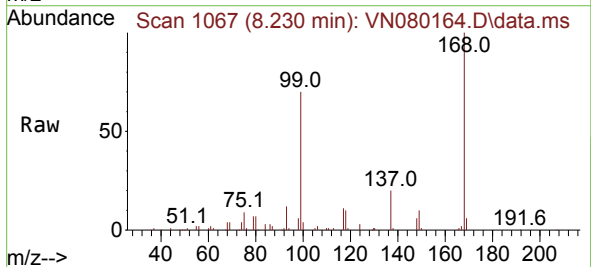


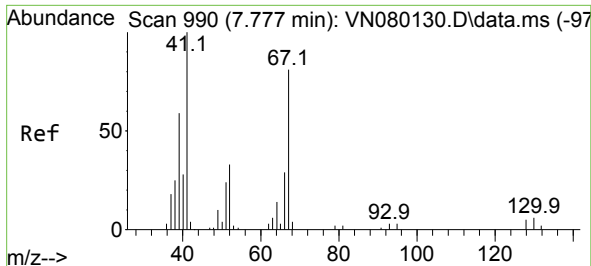
Tgt Ion: 43 Resp: 4302
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.375 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

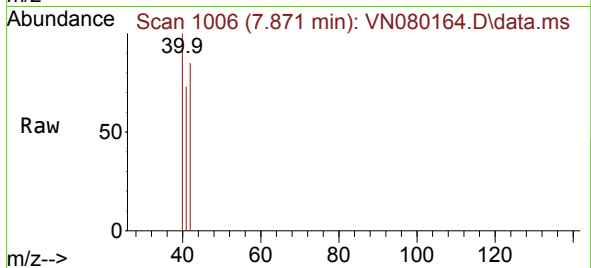
Tgt Ion: 117 Resp: 19436
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 23.3 34.9#



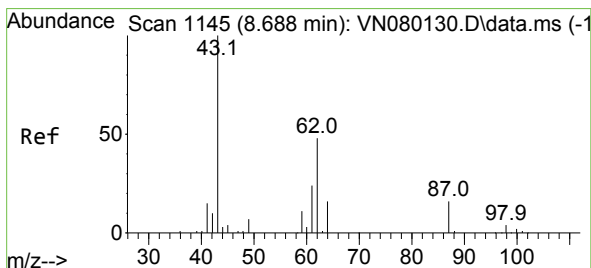
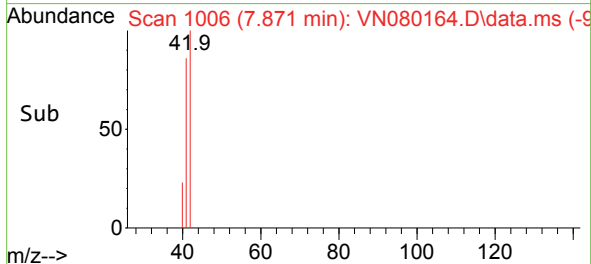
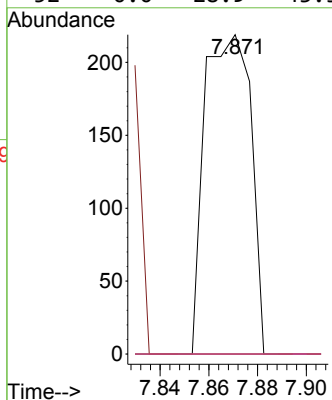


#41
Methacrylonitrile
Concen: 0.215 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.094 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

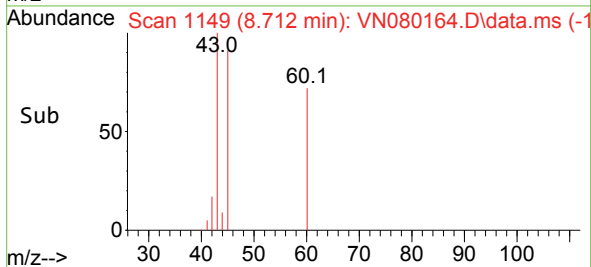
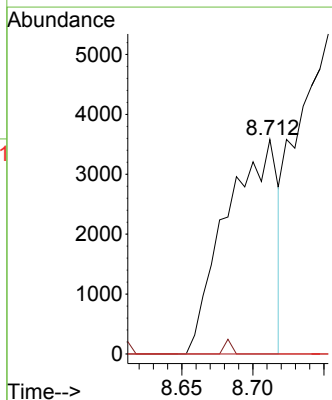
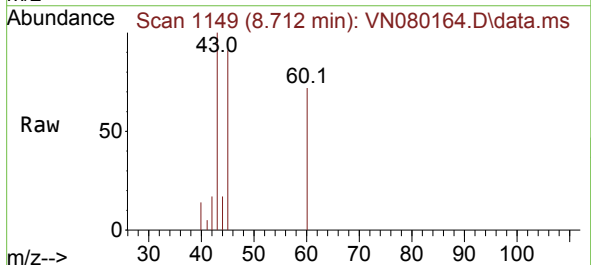


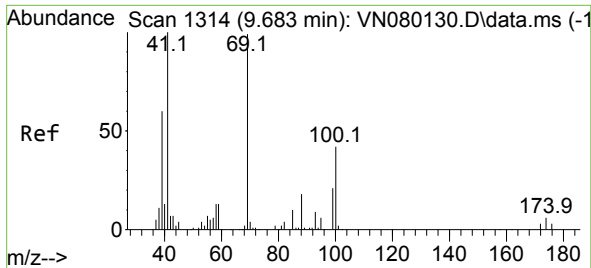
Tgt Ion: 41	Resp: 287
Ion Ratio	Lower Upper
41 100	
39 0.0	42.6 64.0#
67 0.0	77.5 116.3#
52 0.0	28.9 43.3#



#43
Isopropyl Acetate
Concen: 1.905 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.023 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

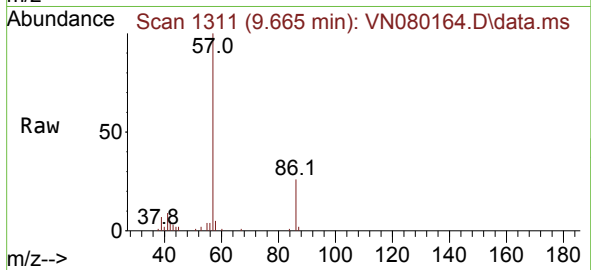
Tgt Ion: 43	Resp: 9000
Ion Ratio	Lower Upper
43 100	
61 0.0	24.7 37.1#
87 0.0	14.6 21.8#



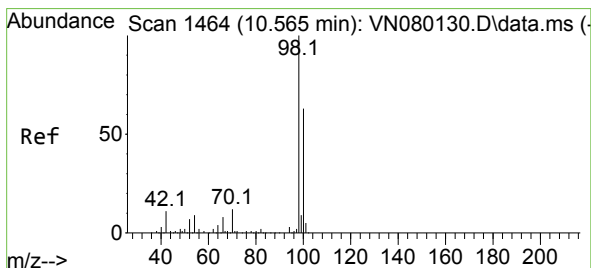
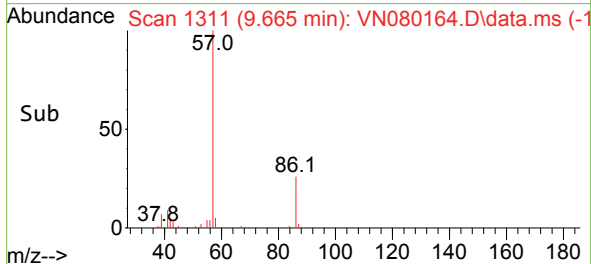
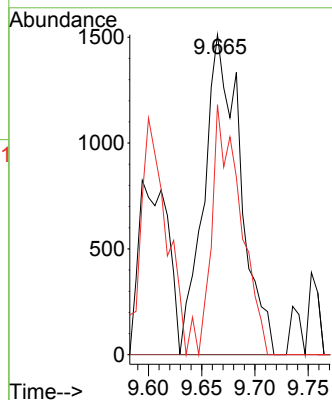


#48
Methyl methacrylate
Concen: 1.489 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Instrument :
MSVOA_N
ClientSampleId :

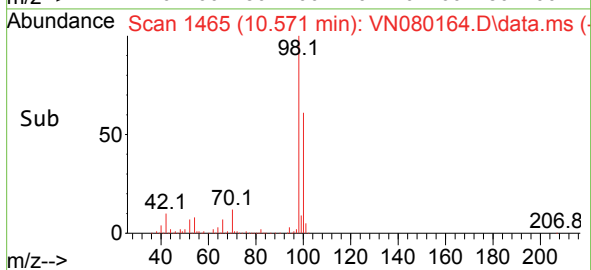
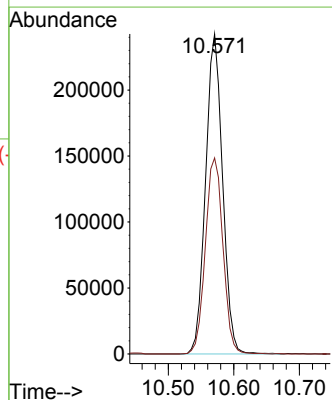
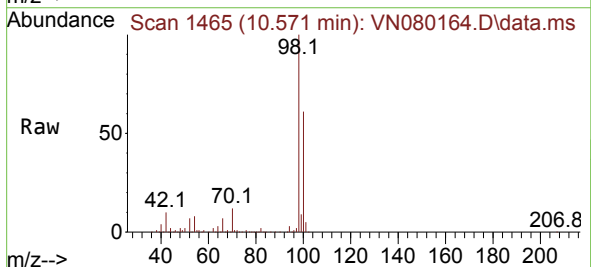


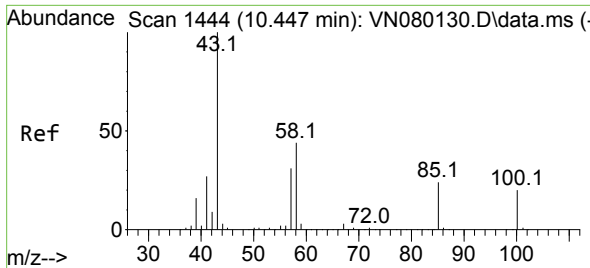
Tgt Ion: 41 Resp: 3625
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.0 54.6 81.8



#50
Toluene-d8
Concen: 50.194 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Tgt Ion: 98 Resp: 437510
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

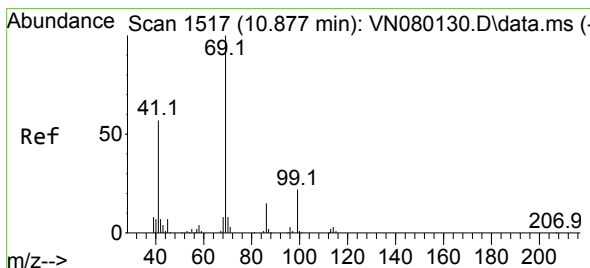
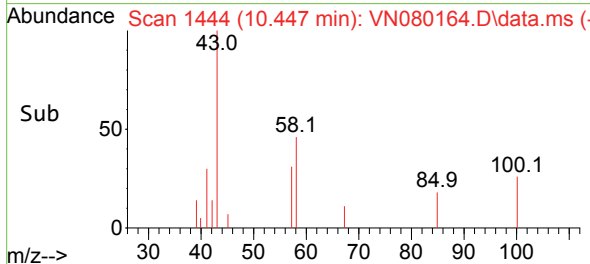
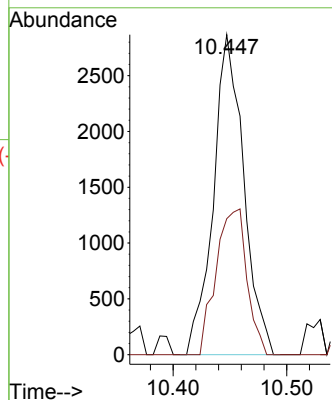
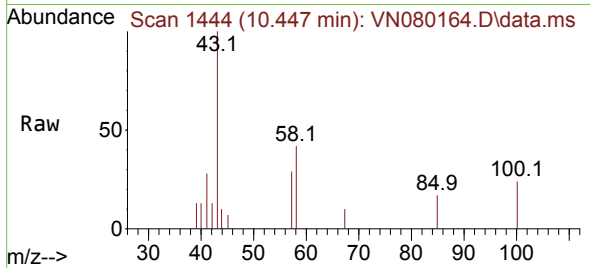




#51
4-Methyl-2-Pentanone
Concen: 2.179 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

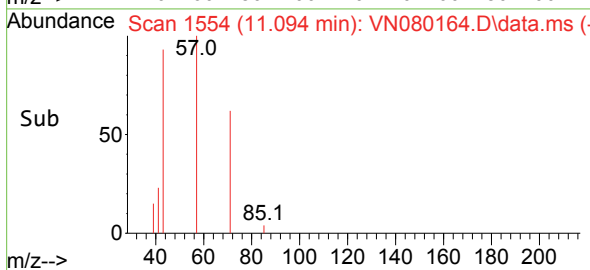
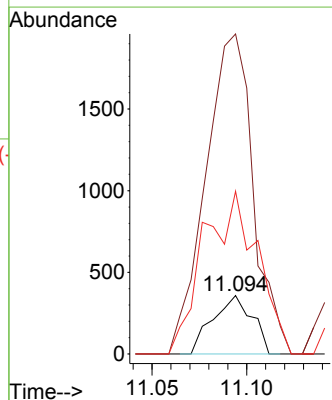
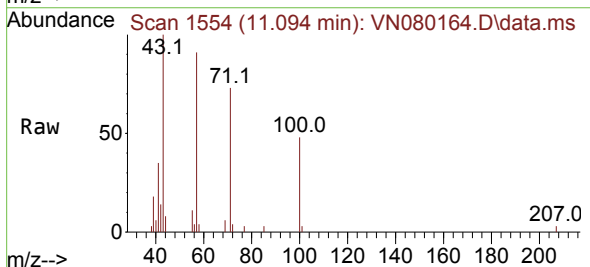
Instrument :
MSVOA_N
ClientSampleId :

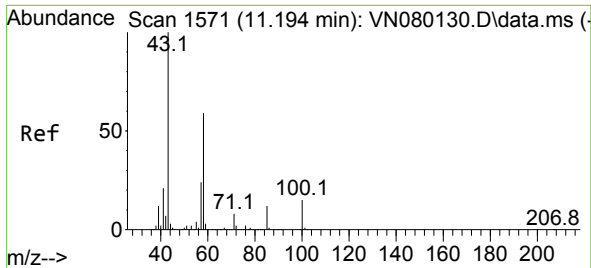
Tgt Ion: 43 Resp: 5330
Ion Ratio Lower Upper
43 100
58 46.2 36.6 54.8



#56
Ethyl methacrylate
Concen: 0.213 ug/l
RT: 11.094 min Scan# 1554
Delta R.T. 0.218 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Tgt Ion: 69 Resp: 518
Ion Ratio Lower Upper
69 100
41 660.2 39.6 59.4#
39 184.0 28.6 43.0#

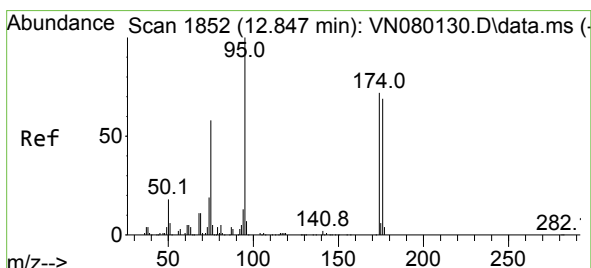
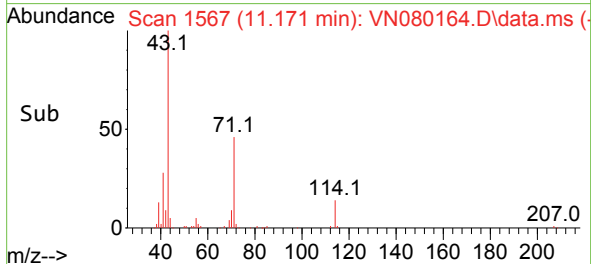
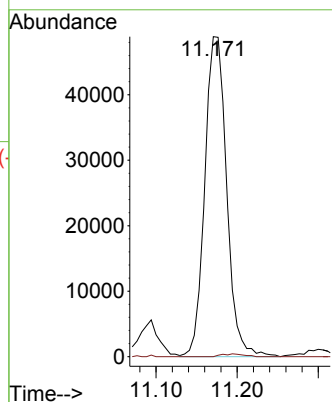
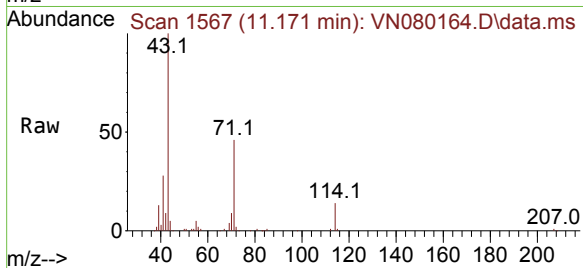




#59
2-Hexanone
Concen: 46.551 ug/l
RT: 11.171 min Scan# 1157
Delta R.T. -0.024 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

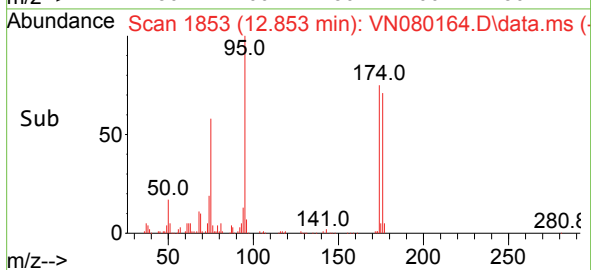
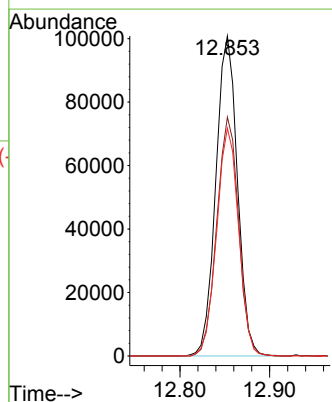
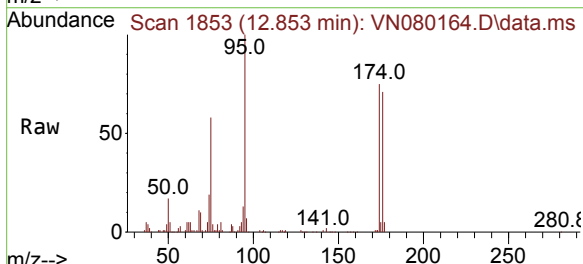
Instrument :
MSVOA_N
ClientSampleId :

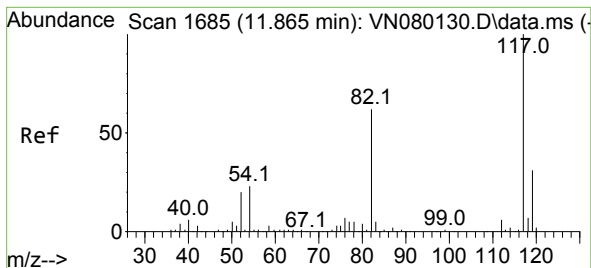
Tgt Ion: 43 Resp: 91511
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.151 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Tgt Ion: 95 Resp: 168406
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 72.4 0.0 135.8

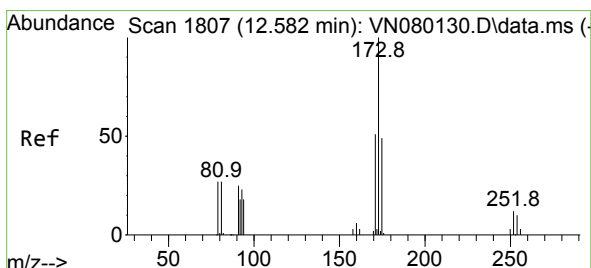
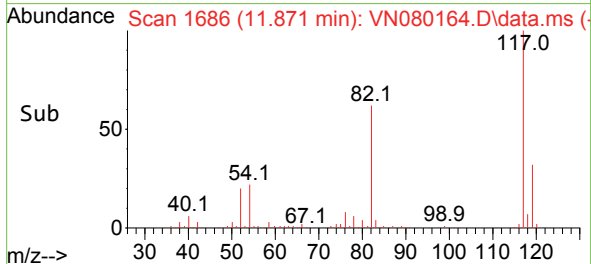
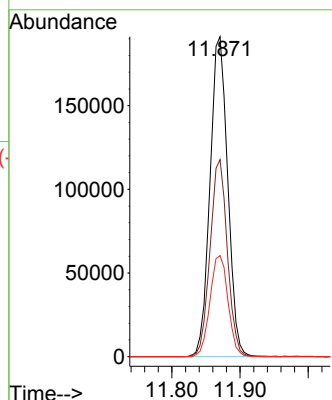
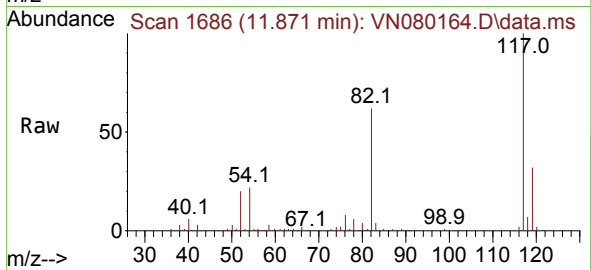




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

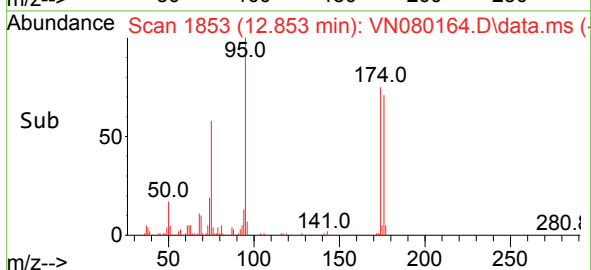
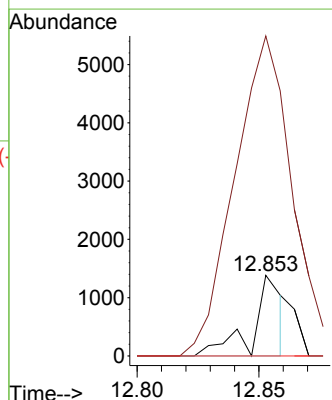
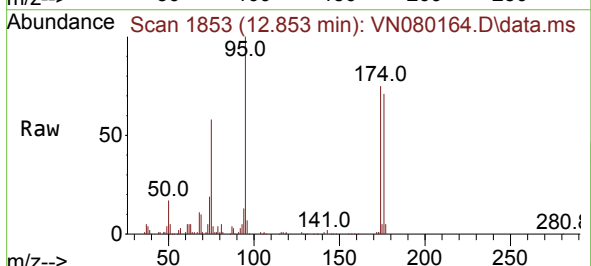
Instrument :
MSVOA_N
ClientSampleId :

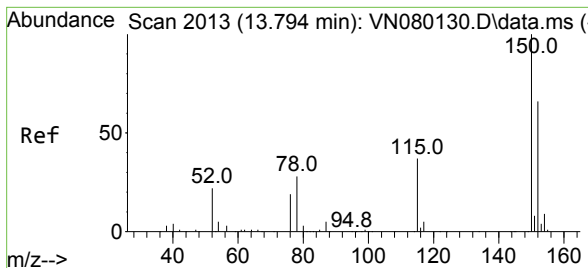
Tgt Ion:117 Resp: 345446
Ion Ratio Lower Upper
117 100
82 61.6 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.512 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN080164.D
Acq: 17 Nov 2023 15:41

Tgt Ion:173 Resp: 1154
Ion Ratio Lower Upper
173 100
175 640.3 24.3 73.0#
254 0.0 0.0 0.0

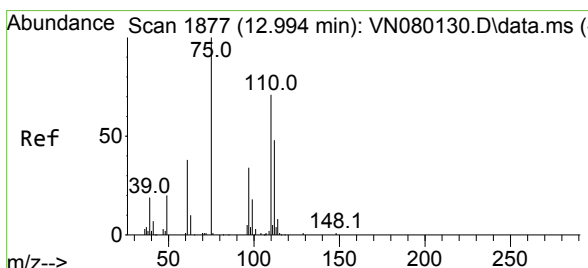
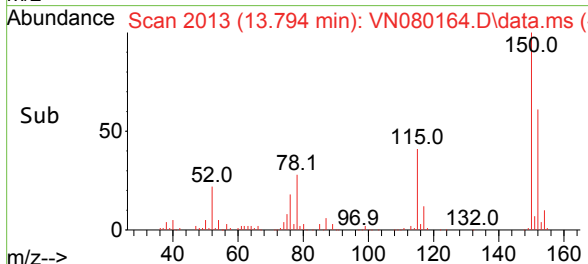
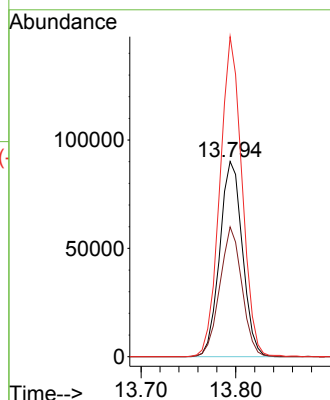
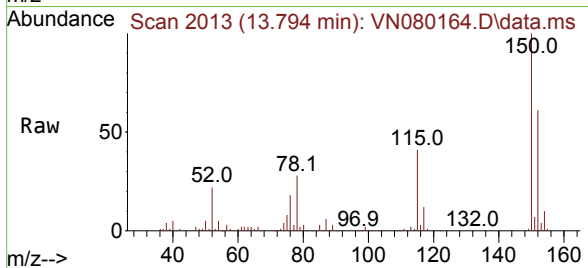




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080164.D
 Acq: 17 Nov 2023 15:41

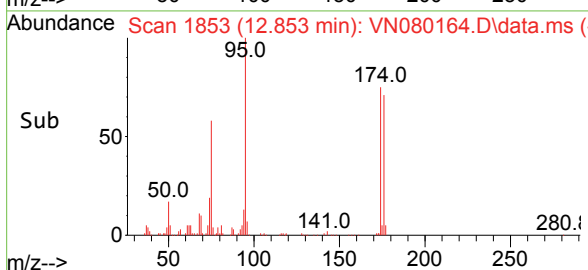
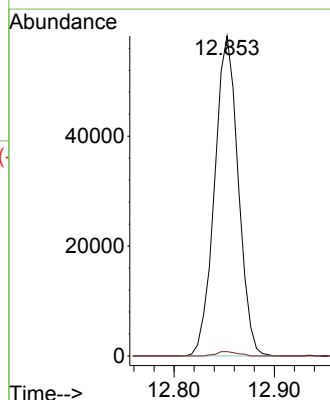
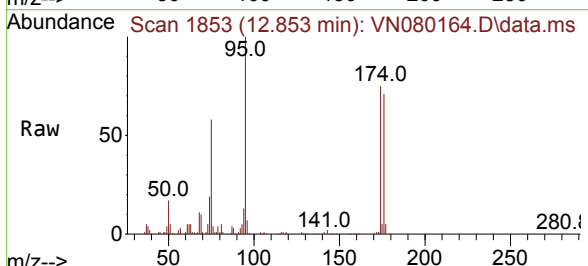
Instrument :
 MSVOA_N
 ClientSampleId :

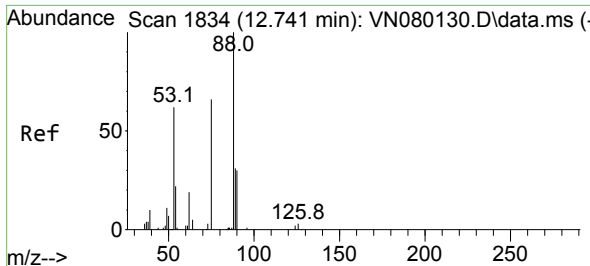
Tgt Ion:152 Resp: 150057
 Ion Ratio Lower Upper
 152 100
 115 64.8 32.3 96.8
 150 160.2 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.916 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080164.D
 Acq: 17 Nov 2023 15:41

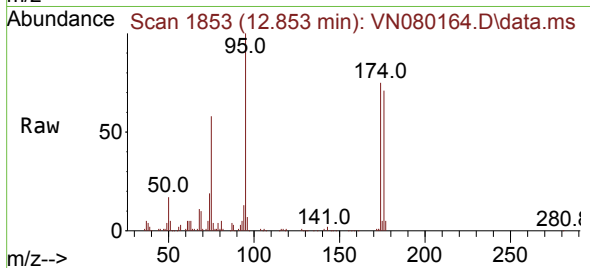
Tgt Ion: 75 Resp: 95284
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#



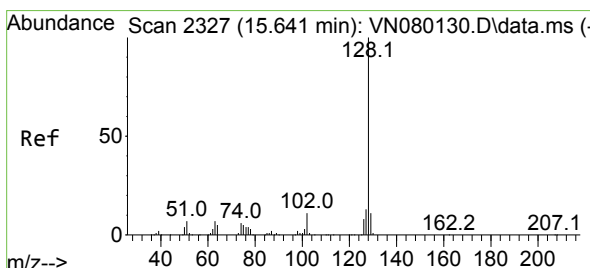
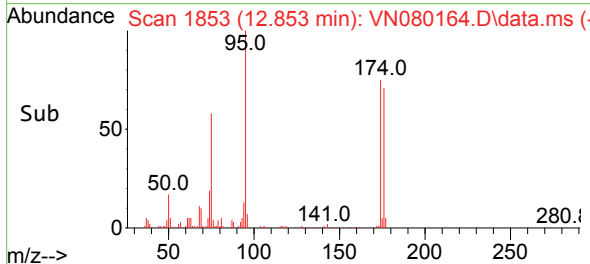
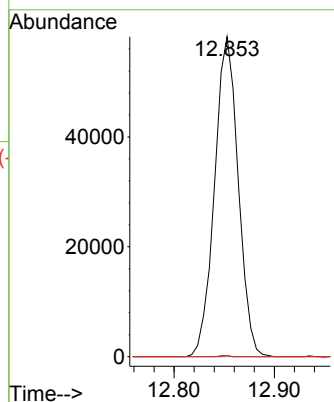


#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.559 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN080164.D
 Acq: 17 Nov 2023 15:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 95284
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#



#95
 Naphthalene
 Concen: 0.298 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. -0.000 min
 Lab File: VN080164.D
 Acq: 17 Nov 2023 15:41

Tgt Ion: 128 Resp: 2544
 Ion Ratio Lower Upper
 128 100
 127 8.9 10.0 15.0#
 129 13.9 8.7 13.1#

