

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022025\
 Data File : VN085796.D
 Acq On : 20 Feb 2025 11:44
 Operator : JC\MD
 Sample : VN0220WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBL01

Quant Time: Feb 20 12:08:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

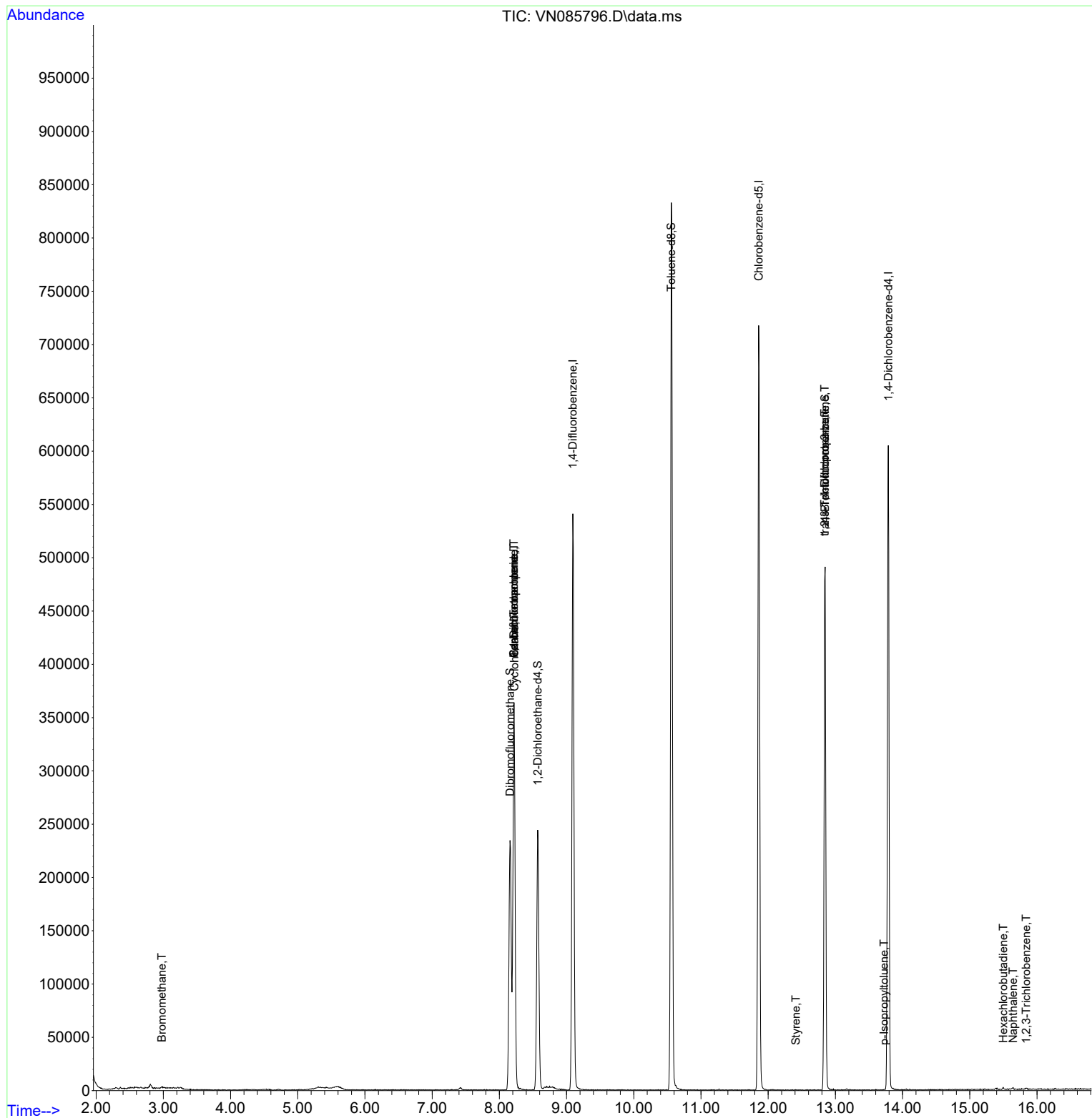
Internal Standards						
1) Pentafluorobenzene	8.218	168	259013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	473649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	428474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	172706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	201542	60.02	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.04%			
35) Dibromofluoromethane	8.159	113	174562	56.32	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.64%			
50) Toluene-d8	10.559	98	585576	51.93	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.86%			
62) 4-Bromofluorobenzene	12.847	95	176350	47.47	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.94%			
Target Compounds						Qvalue
5) Bromomethane	2.977	94	707	0.30	ug/l	83
31) Cyclohexane	8.224	56	5371	1.12	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	20695	4.72	ug/l #	50
38) Carbon Tetrachloride	8.218	117	26815	5.14	ug/l #	20
43) Isopropyl Acetate	8.694	43	384	Below Cal	#	53
70) Styrene	12.412	104	150	0.60	ug/l #	26
76) 1,2,3-Trichloropropane	12.841	75	87926	22.92	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	87926	66.87	ug/l #	13
86) p-Isopropyltoluene	13.723	119	144	0.64	ug/l #	50
94) Hexachlorobutadiene	15.500	225	621	0.37	ug/l	82
95) Naphthalene	15.647	128	2416	0.32	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.841	180	634	0.23	ug/l #	80

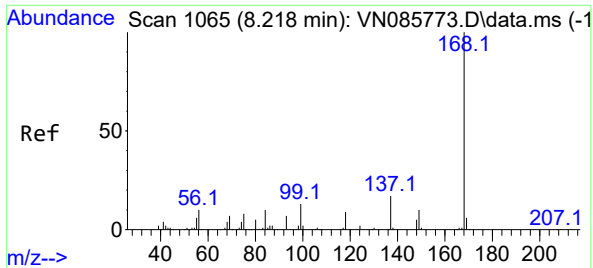
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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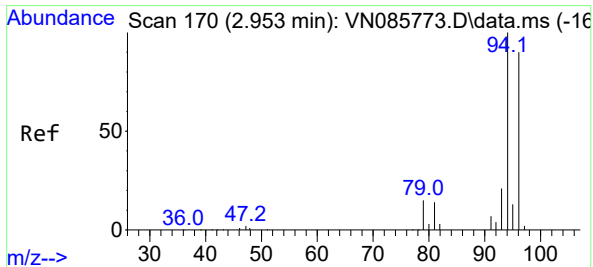
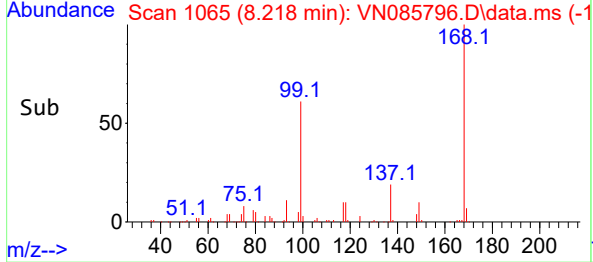
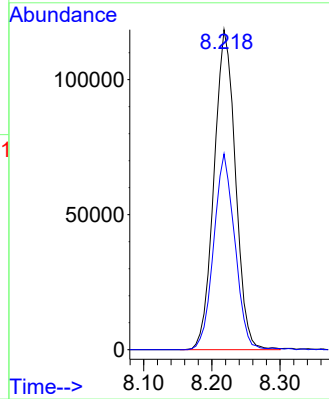
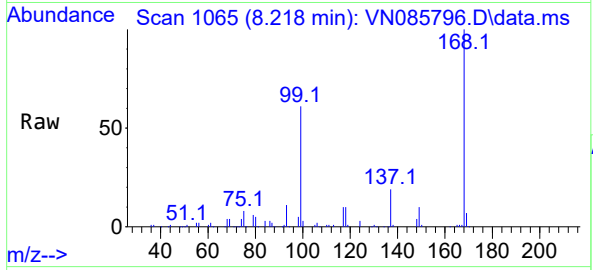




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

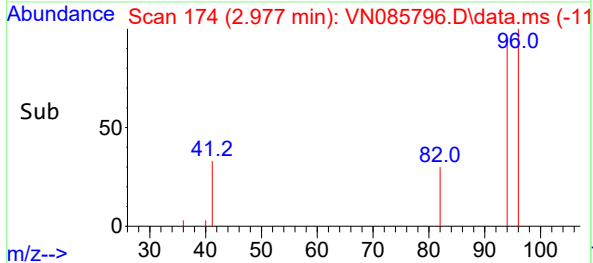
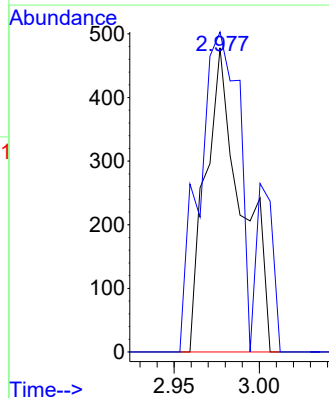
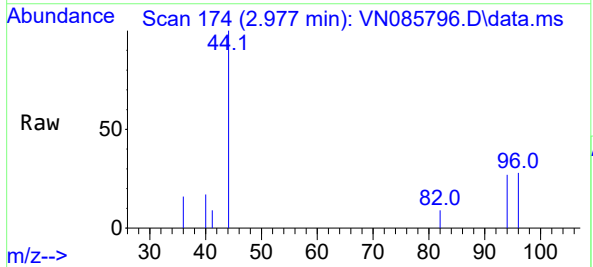
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

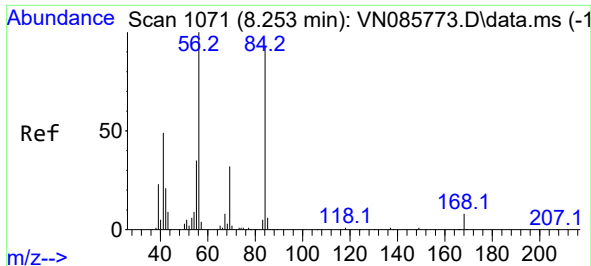
Tgt Ion:168 Resp: 259013
Ion Ratio Lower Upper
168 100
99 61.2 47.9 71.9



#5
Bromomethane
Concen: 0.30 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

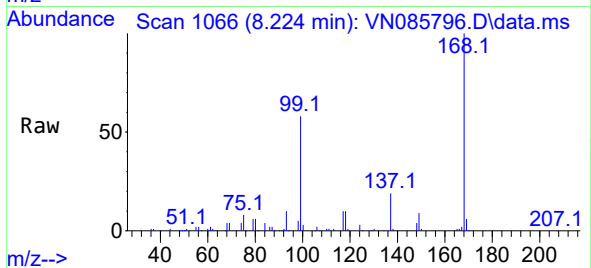
Tgt Ion: 94 Resp: 707
Ion Ratio Lower Upper
94 100
96 105.2 71.7 107.5



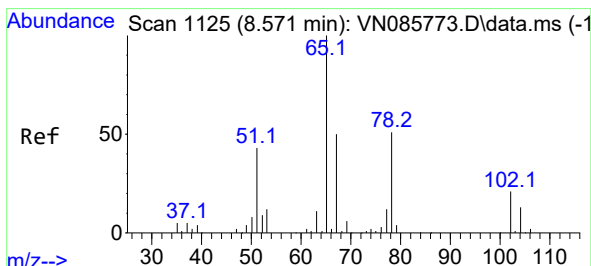
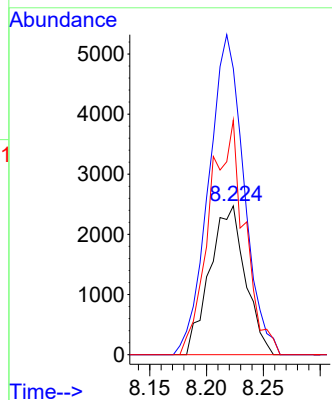
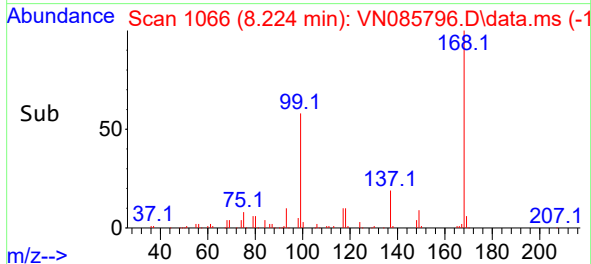


#31
Cyclohexane
Concen: 1.12 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

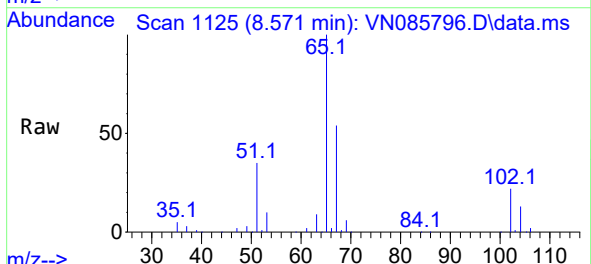
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01



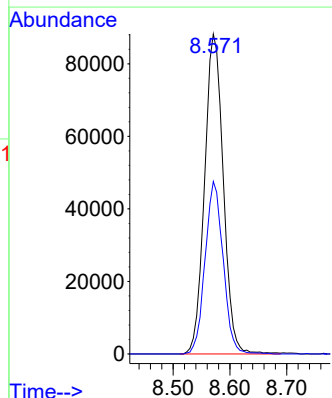
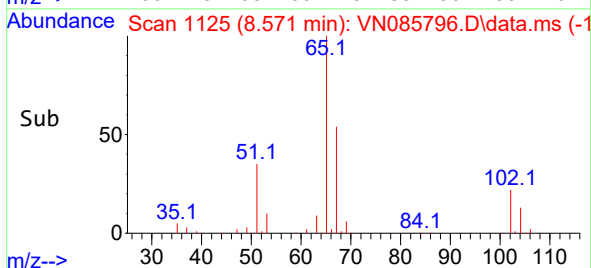
Tgt Ion: 56 Resp: 5371
Ion Ratio Lower Upper
56 100
69 192.2 25.8 38.6#
84 157.6 74.5 111.7#

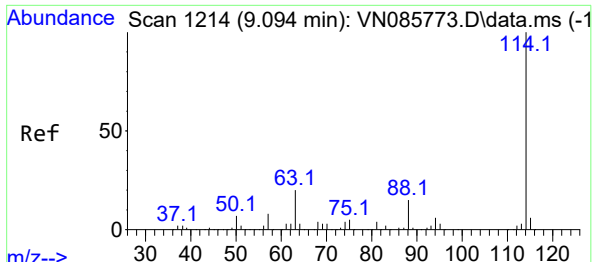


#33
1,2-Dichloroethane-d4
Concen: 60.02 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44



Tgt Ion: 65 Resp: 201542
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2

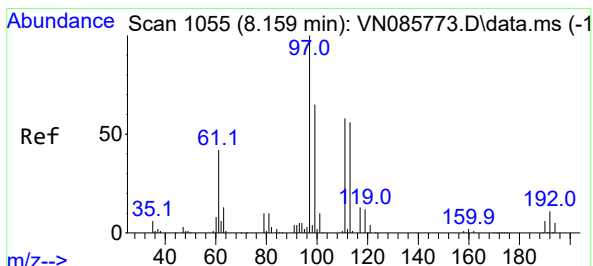
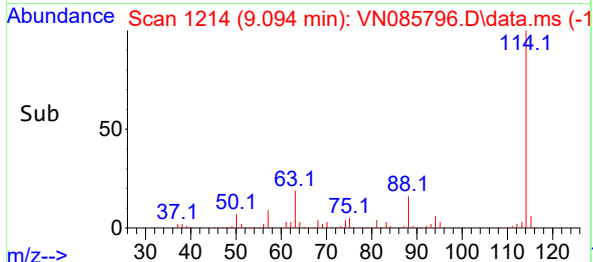
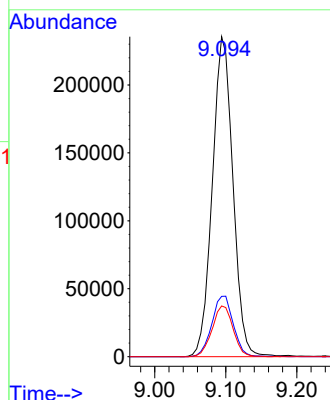
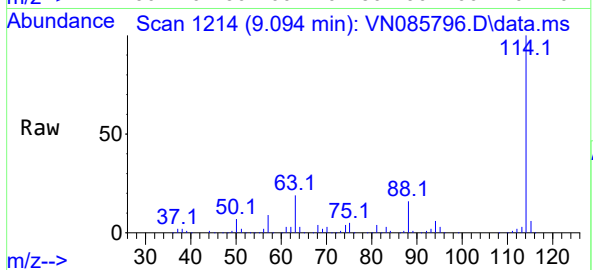




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 9.094 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

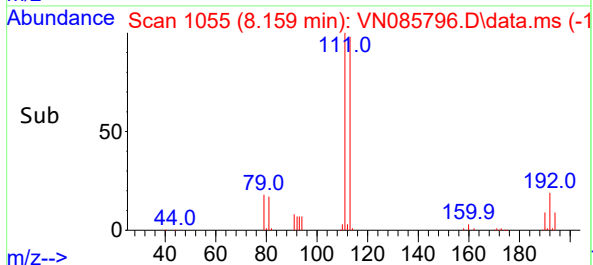
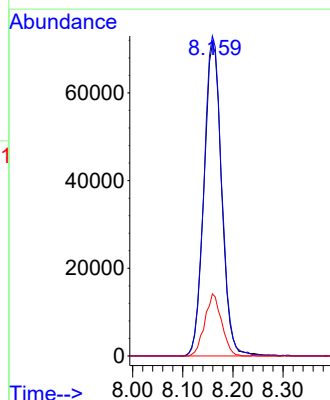
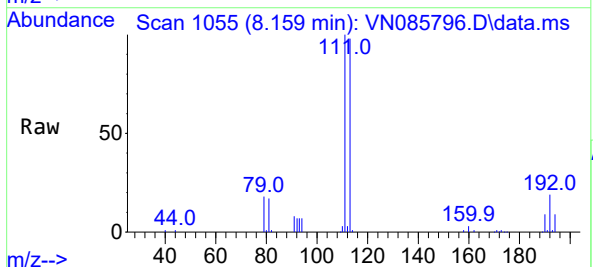
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

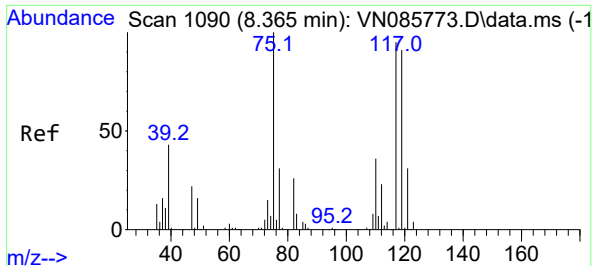
Tgt Ion:114 Resp: 473649
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.2
88 15.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 56.32 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Tgt Ion:113 Resp: 174562
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 18.9 14.7 22.1

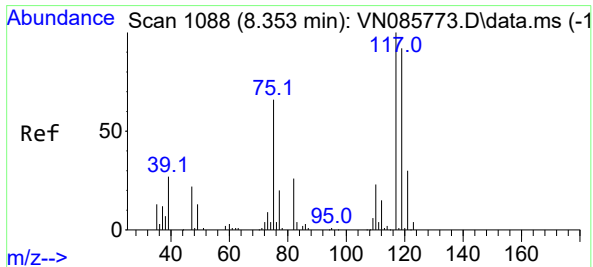
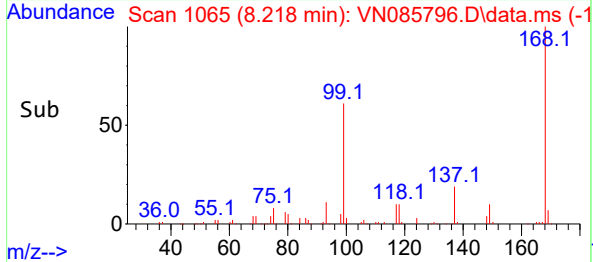
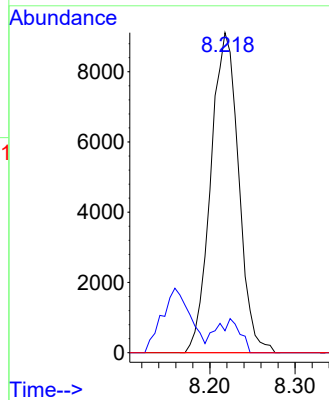
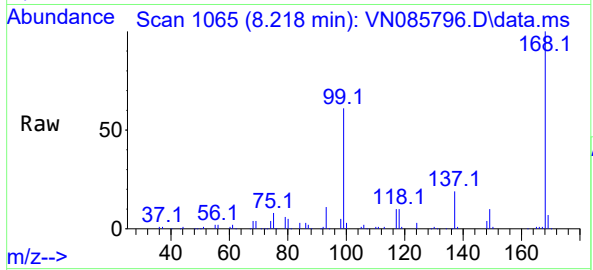




#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

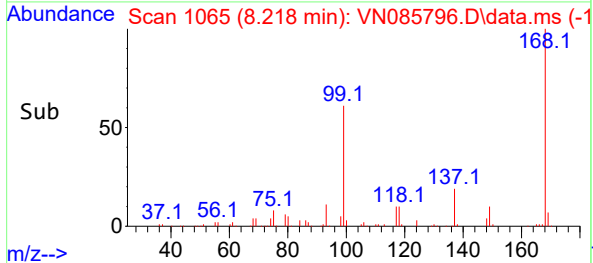
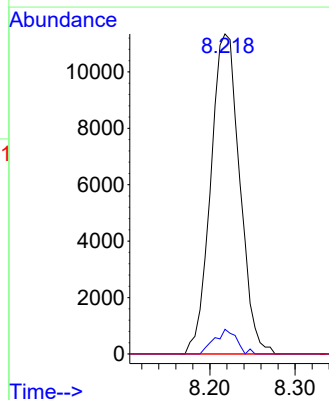
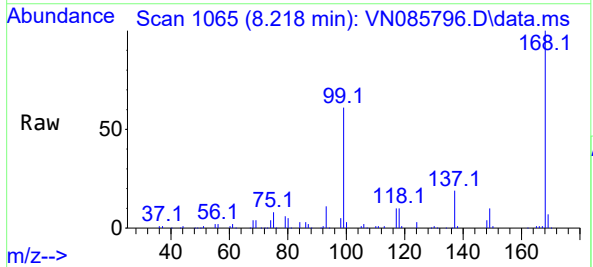
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

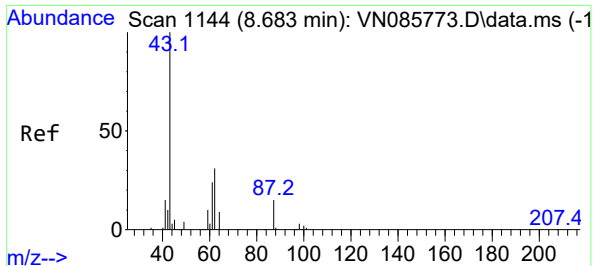
Tgt Ion: 75 Resp: 20695
Ion Ratio Lower Upper
75 100
110 9.2 17.3 52.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.14 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 117 Resp: 26815
Ion Ratio Lower Upper
117 100
119 7.7 73.8 110.6#
121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.694 min Scan# 1146

Delta R.T. 0.011 min

Lab File: VN085796.D

Acq: 20 Feb 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0220WBL01

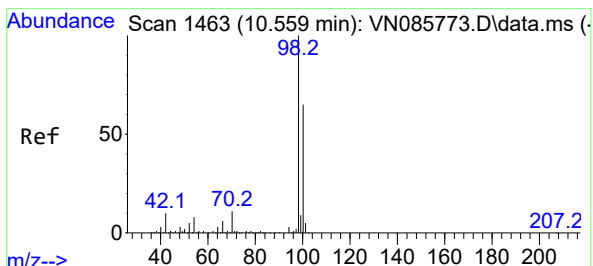
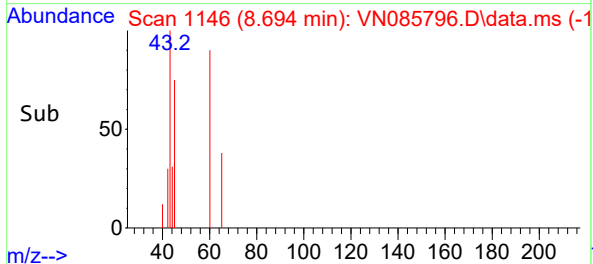
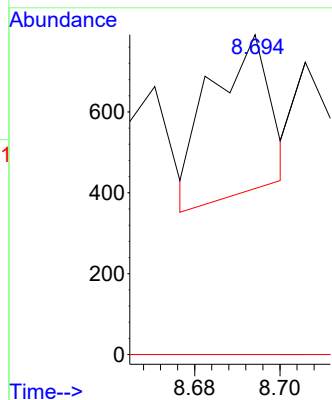
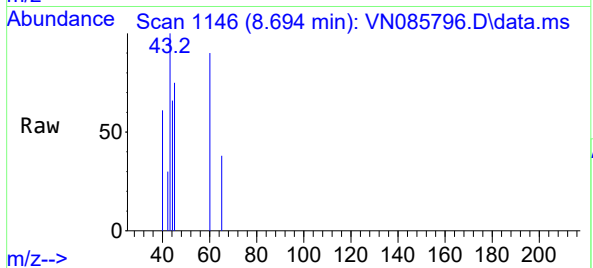
Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

61 0.0 22.6 34.0#

87 0.0 11.8 17.8#



#50

Toluene-d8

Concen: 51.93 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.000 min

Lab File: VN085796.D

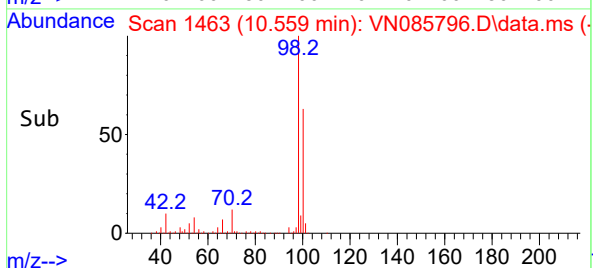
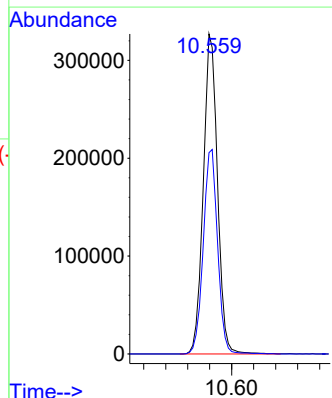
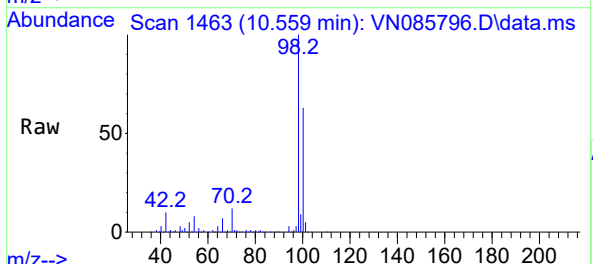
Acq: 20 Feb 2025 11:44

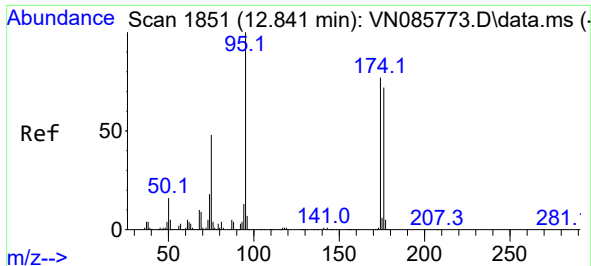
Tgt Ion: 98 Resp: 585576

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1



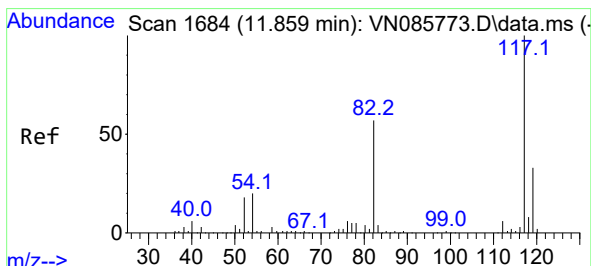
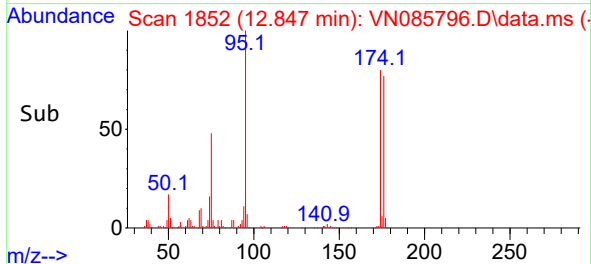
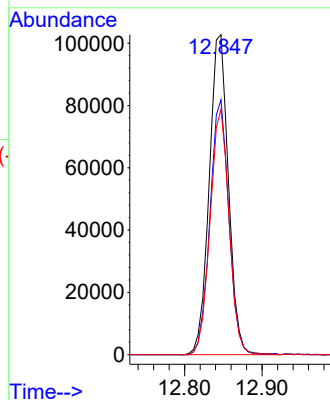
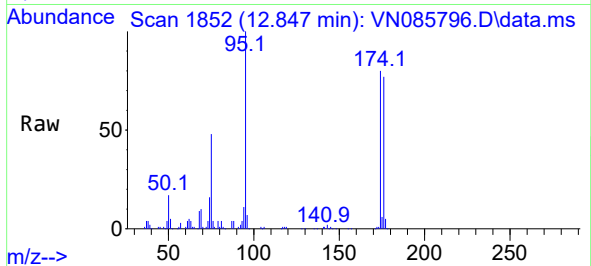


#62
4-Bromofluorobenzene
Concen: 47.47 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Instrument :
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ClientSampleId :
VN0220WBL01

Tgt Ion: 95 Resp: 176350

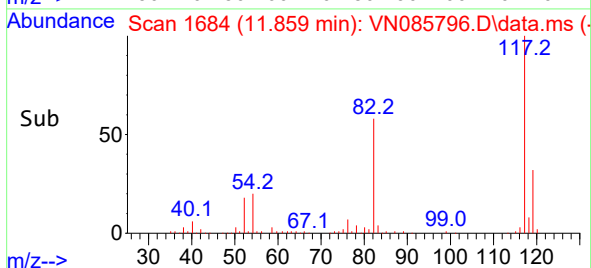
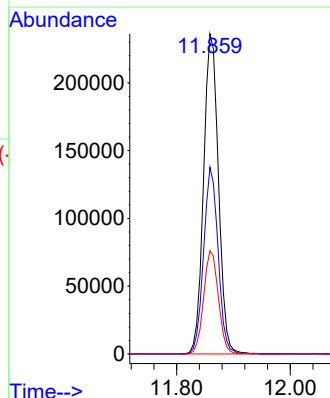
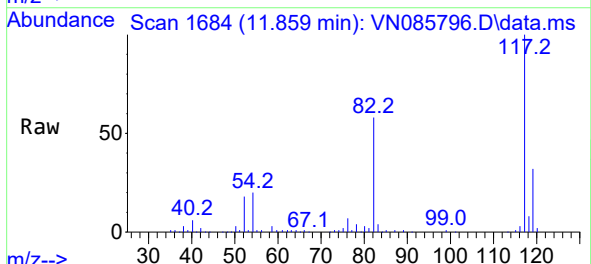
Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	152.4
176	75.7	0.0	146.6

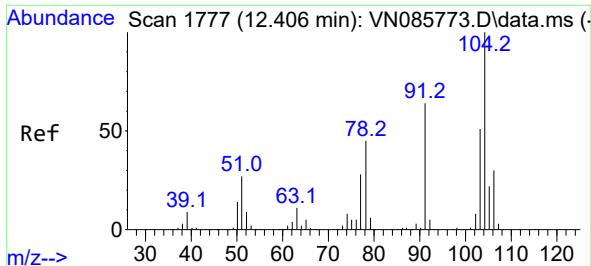


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 117 Resp: 428474

Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.7	68.5
119	32.2	26.2	39.2

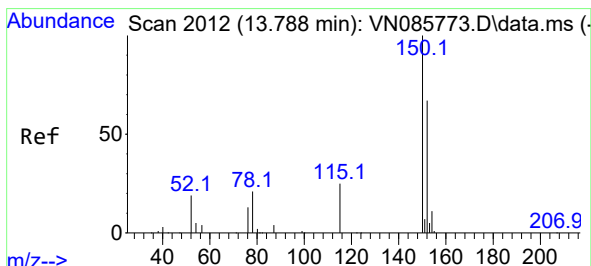
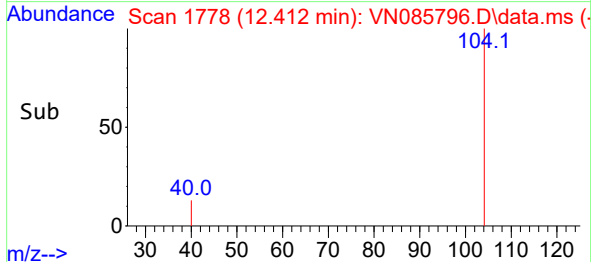
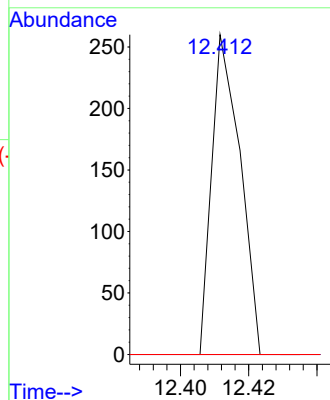
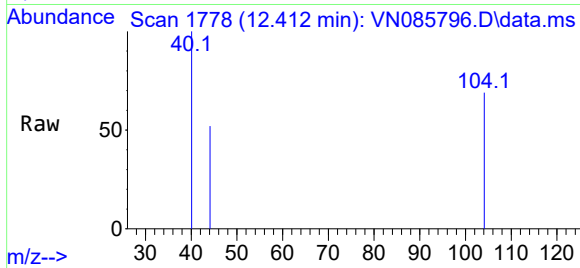




#70
Styrene
Concen: 0.60 ug/l
RT: 12.412 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

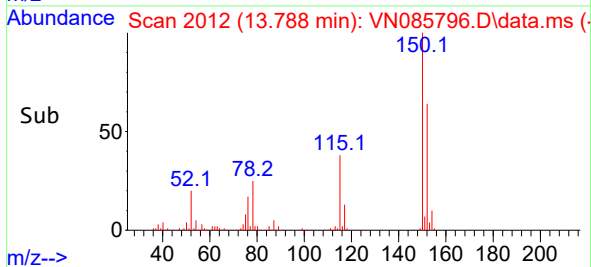
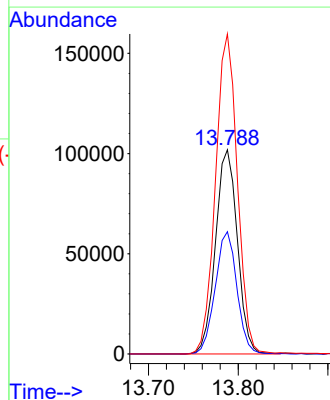
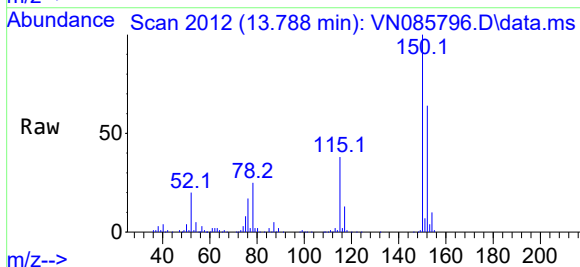
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

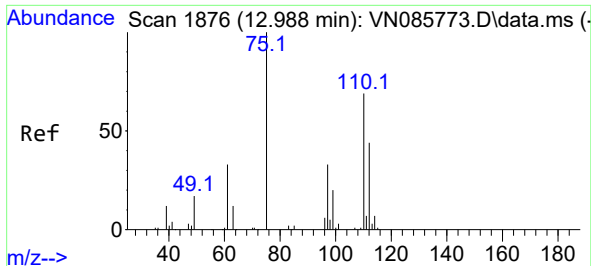
Tgt Ion:104 Resp: 150
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Tgt Ion:152 Resp: 172706
Ion Ratio Lower Upper
152 100
115 59.4 30.4 91.3
150 157.1 0.0 345.4

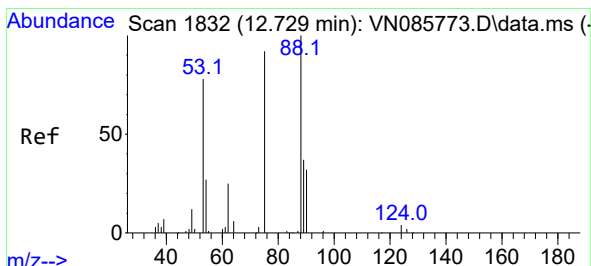
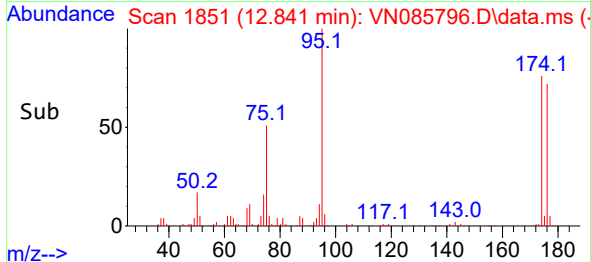
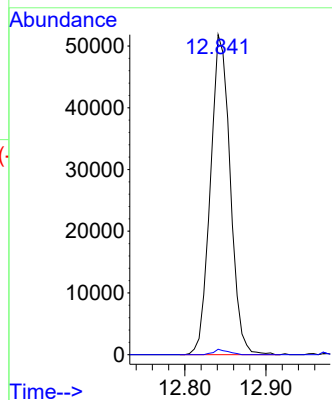
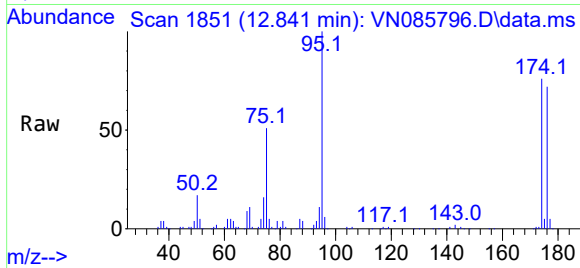




#76
1,2,3-Trichloropropane
Concen: 22.92 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.147 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

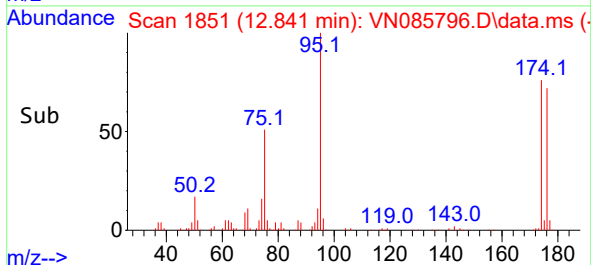
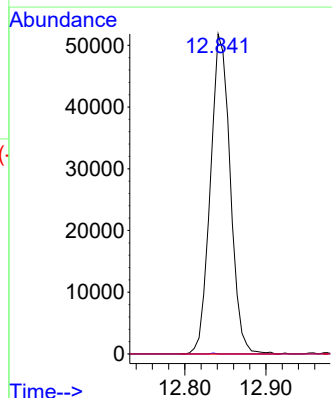
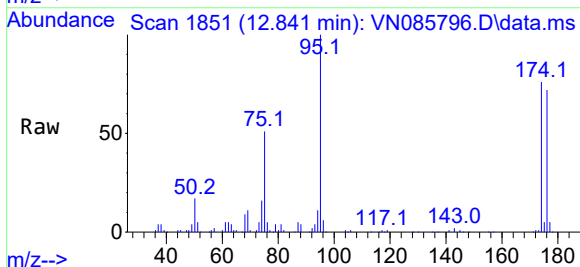
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

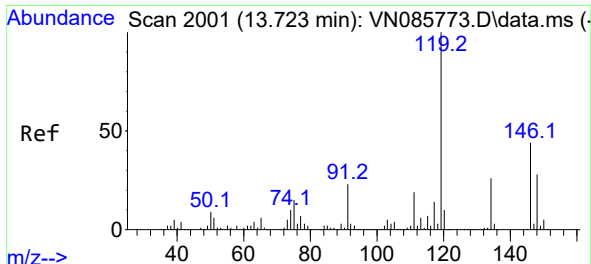
Tgt Ion: 75 Resp: 87926
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.87 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.112 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Tgt Ion: 75 Resp: 87926
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

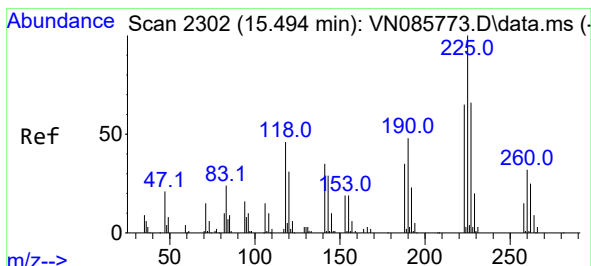
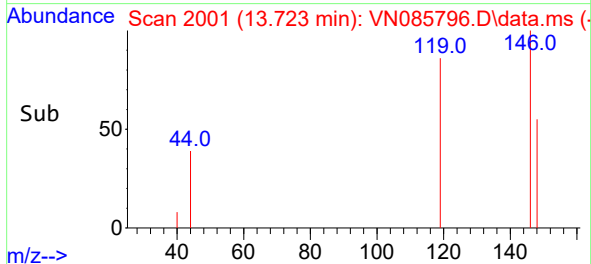
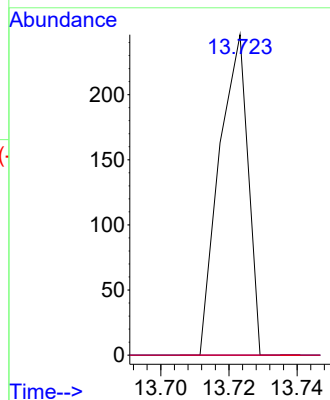
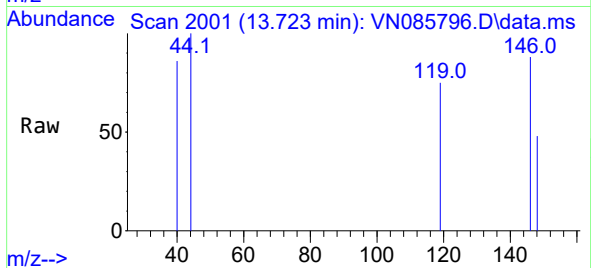




#86
p-Isopropyltoluene
Concen: 0.64 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

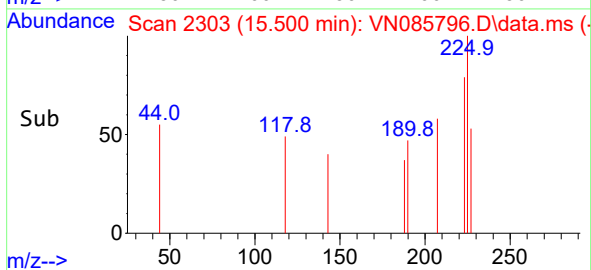
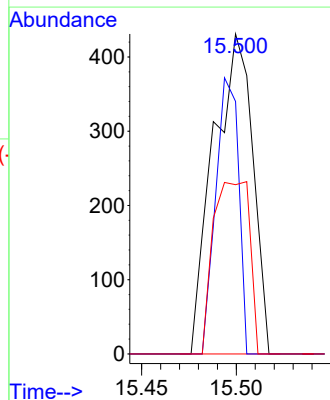
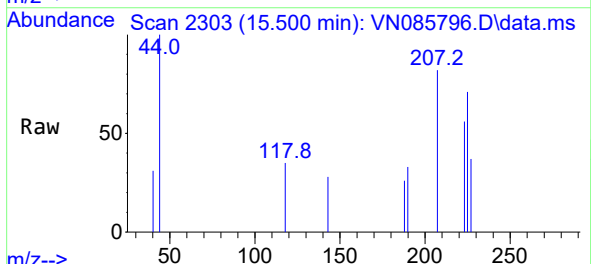
Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

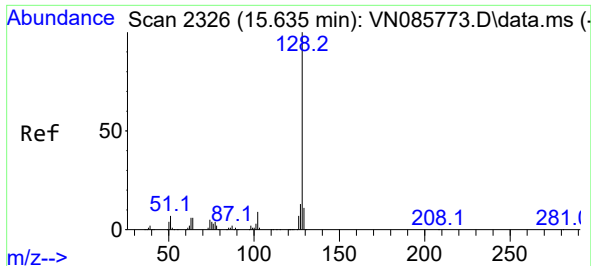
Tgt Ion:119 Resp: 144
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#



#94
Hexachlorobutadiene
Concen: 0.37 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Tgt Ion:225 Resp: 621
Ion Ratio Lower Upper
225 100
223 50.2 31.9 95.5
227 49.6 32.2 96.6

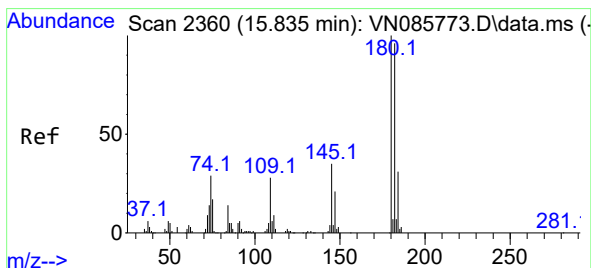
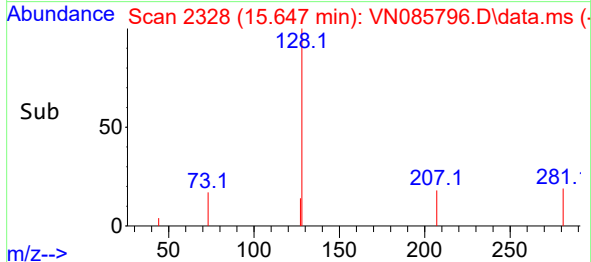
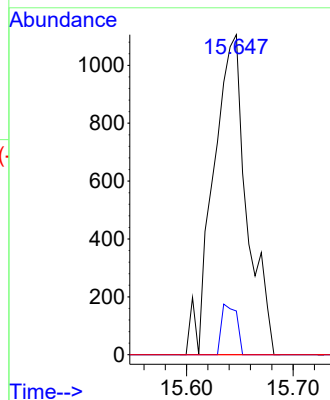
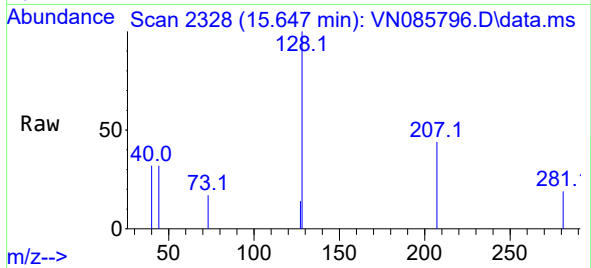




#95
Naphthalene
Concen: 0.32 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0220WBL01

Tgt Ion:128 Resp: 2416
Ion Ratio Lower Upper
128 100
127 7.1 10.2 15.2#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.23 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Tgt Ion:180 Resp: 634
Ion Ratio Lower Upper
180 100
182 100.6 47.3 141.8
145 0.0 16.9 50.6#

