

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 :

Quant Time: Feb 21 00:57:14 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)

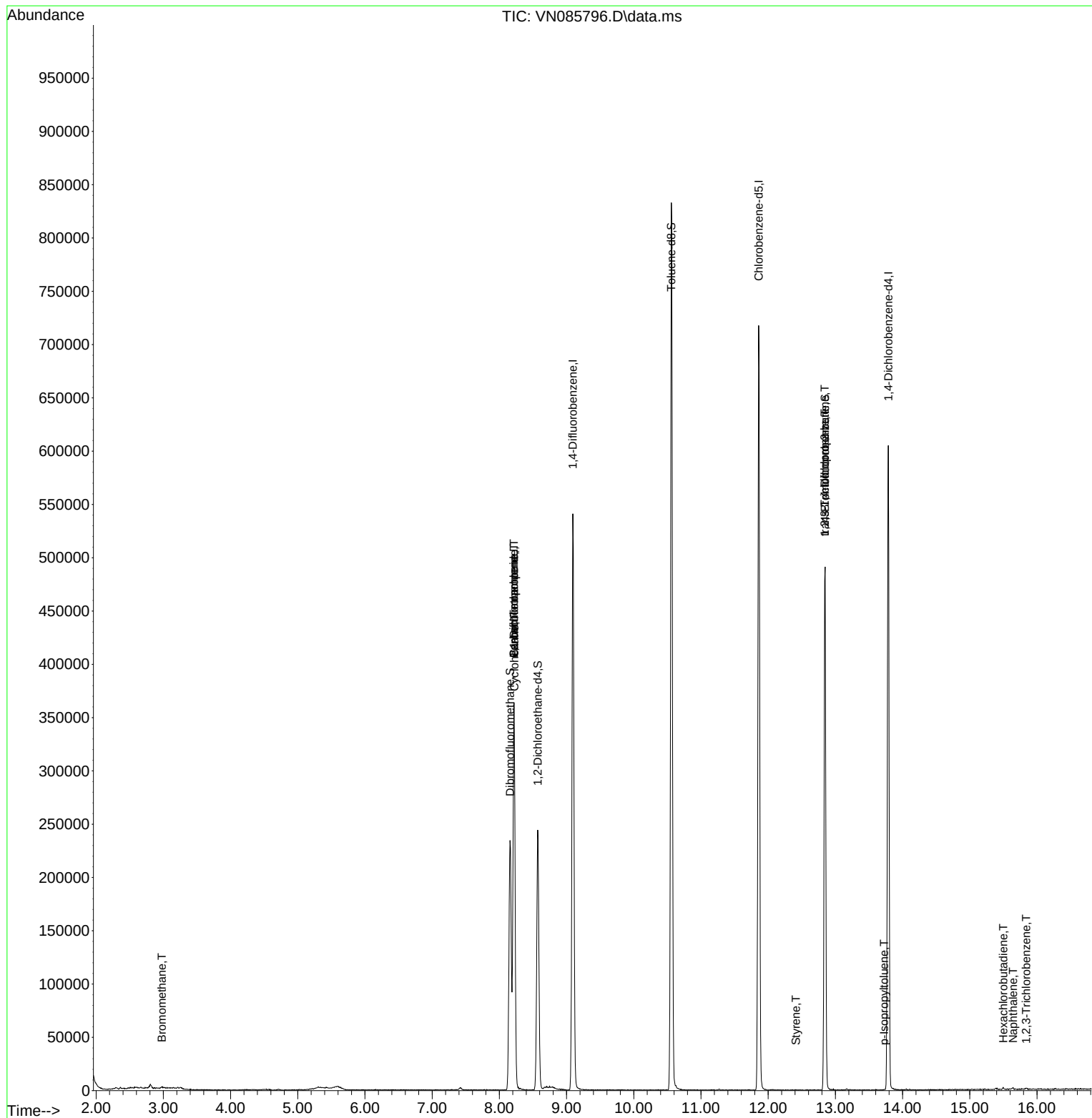
Internal Standards						
1) Pentafluorobenzene	8.218	168	259013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	473649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	428474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	172706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	201542	60.018	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.040%	
35) Dibromofluoromethane	8.159	113	174562	56.322	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.640%	
50) Toluene-d8	10.559	98	585576	51.930	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	12.847	95	176350	47.466	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	707	0.295	ug/l	83
31) Cyclohexane	8.224	56	5371	1.120	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	20695	4.718	ug/l #	50
38) Carbon Tetrachloride	8.218	117	26815	5.145	ug/l #	20
43) Isopropyl Acetate	8.694	43	384	Below Cal	#	53
70) Styrene	12.412	104	150	0.600	ug/l #	26
76) 1,2,3-Trichloropropane	12.841	75	87926	22.919	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	87926	66.872	ug/l #	13
86) p-Isopropyltoluene	13.723	119	144	0.640	ug/l #	50
94) Hexachlorobutadiene	15.500	225	621	0.372	ug/l	82
95) Naphthalene	15.647	128	2416	0.321	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.841	180	634	0.230	ug/l #	80

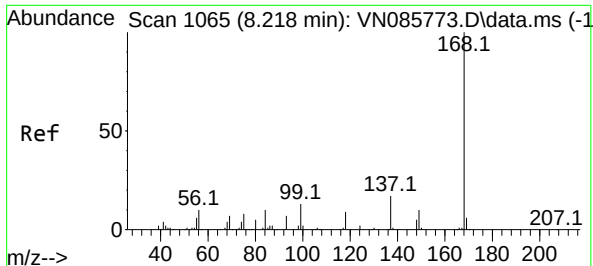
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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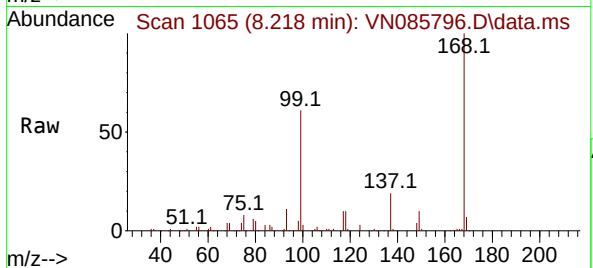
Quant Time: Feb 21 00:57:14 2025
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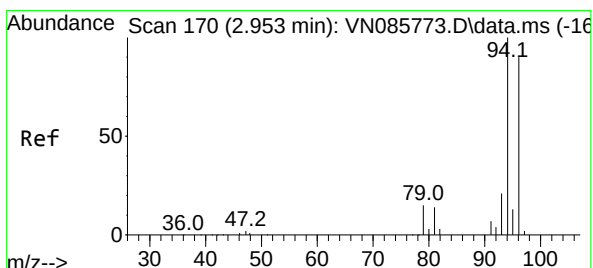
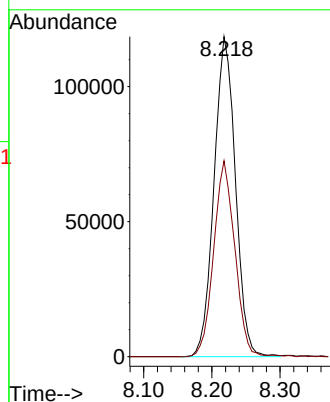
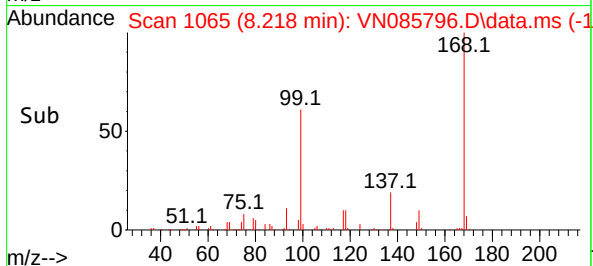


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :

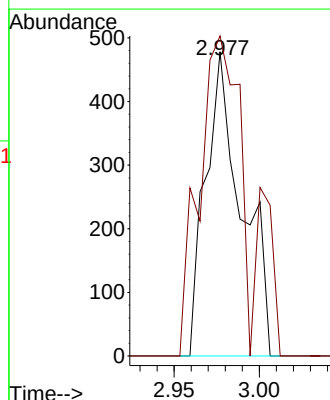
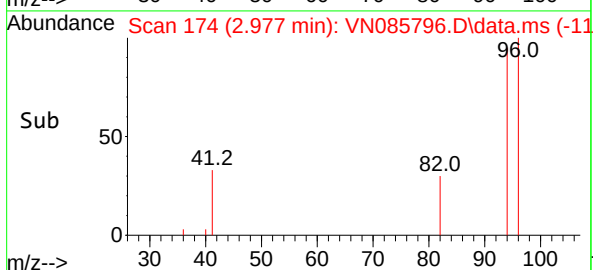
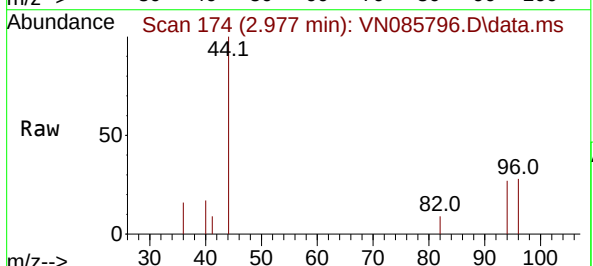


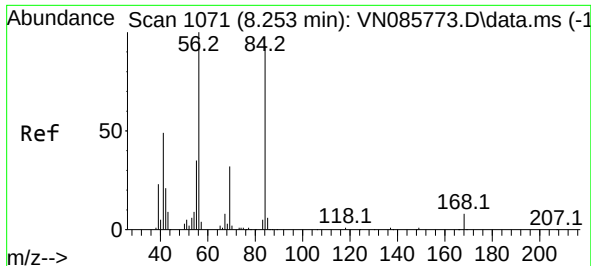
Tgt Ion:168 Resp: 259013
Ion Ratio Lower Upper
168 100
99 61.2 47.9 71.9



#5
Bromomethane
Concen: 0.295 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

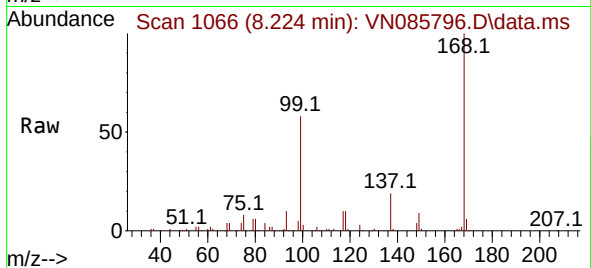
Tgt Ion: 94 Resp: 707
Ion Ratio Lower Upper
94 100
96 105.2 71.7 107.5



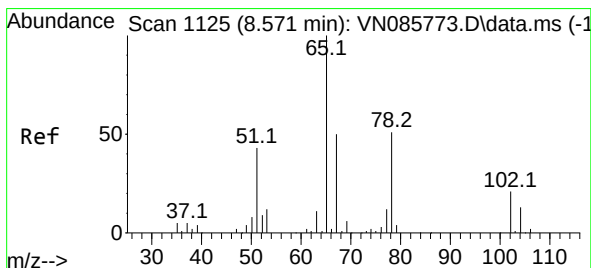
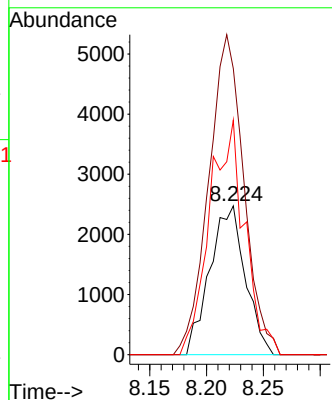
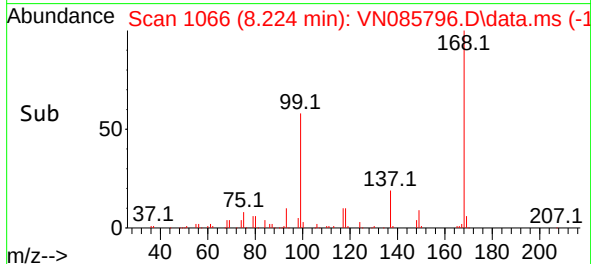


#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :

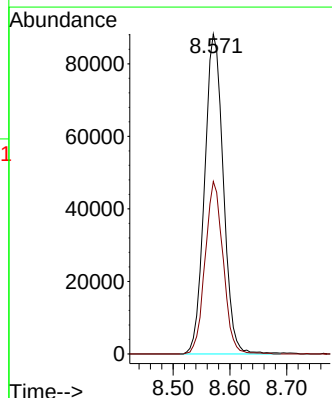
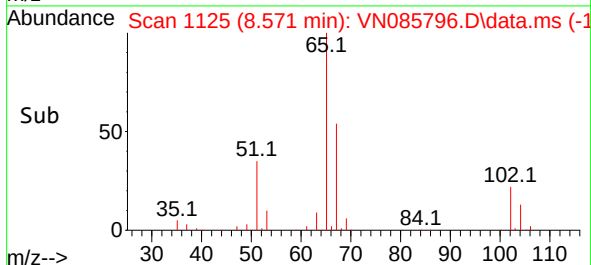
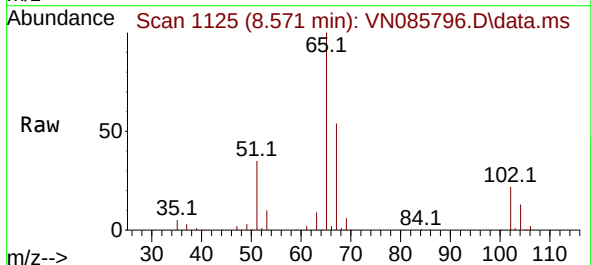


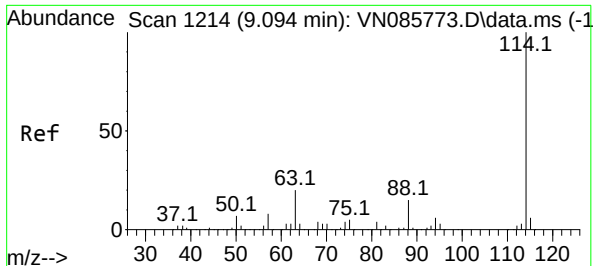
Tgt Ion: 56 Resp: 5371
Ion Ratio Lower Upper
56 100
69 192.2 25.8 38.6#
84 157.6 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 60.018 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: 50.000 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 :

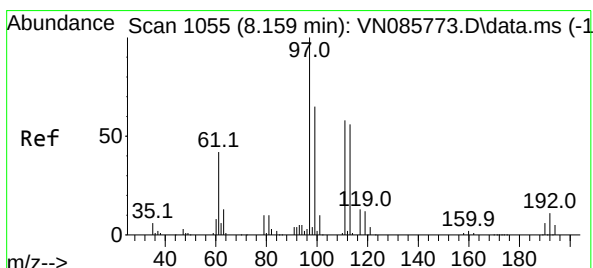
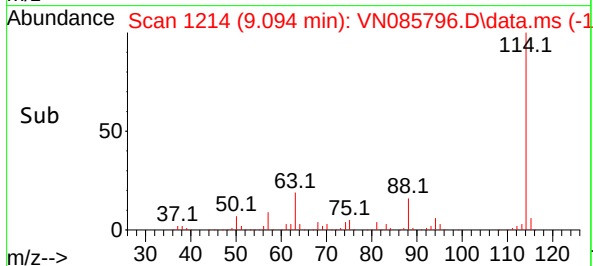
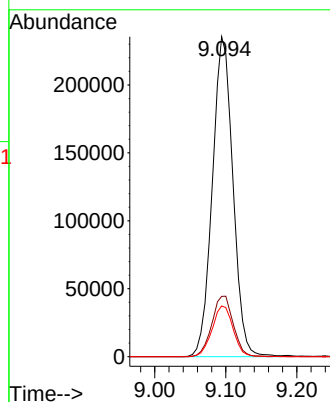
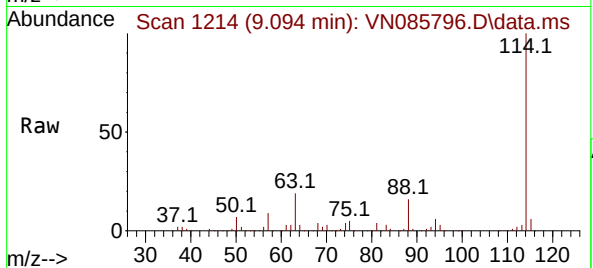
Tgt Ion:114 Resp: 473649

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

88 15.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 56.322 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085796.D

Acq: 20 Feb 2025 11:44

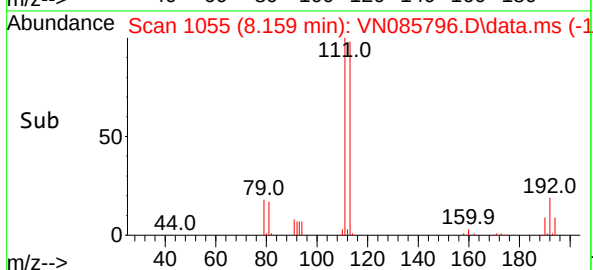
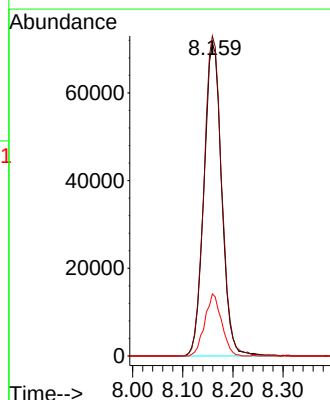
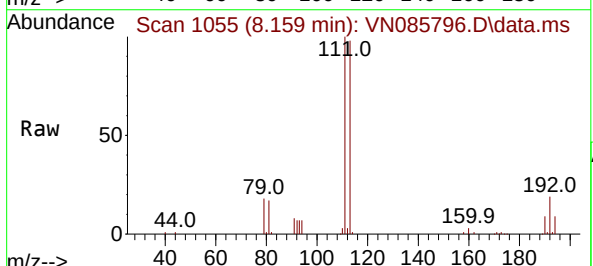
Tgt Ion:113 Resp: 174562

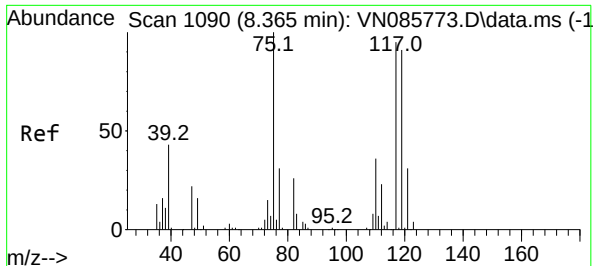
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 18.9 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.718 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 :

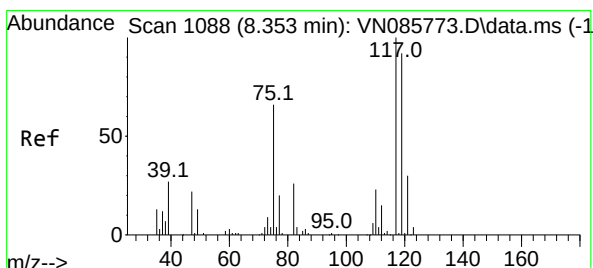
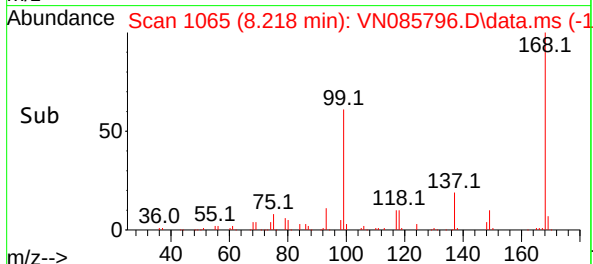
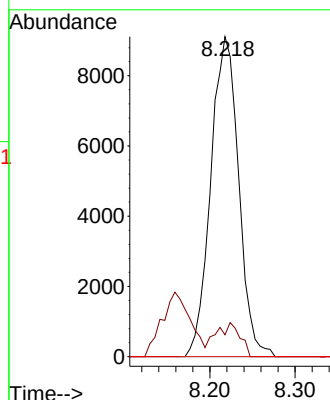
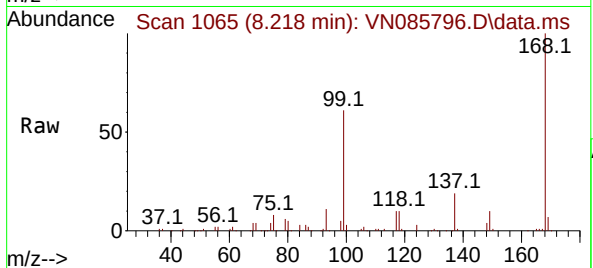
Tgt Ion: 75 Resp: 20695

Ion Ratio Lower Upper

75 100

110 9.2 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.145 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085796.D

Acq: 20 Feb 2025 11:44

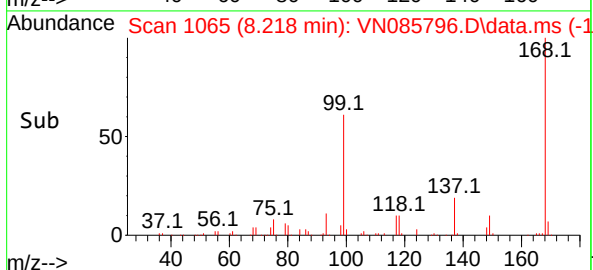
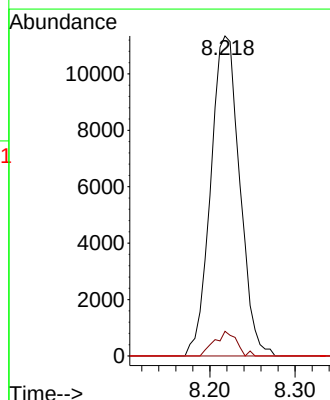
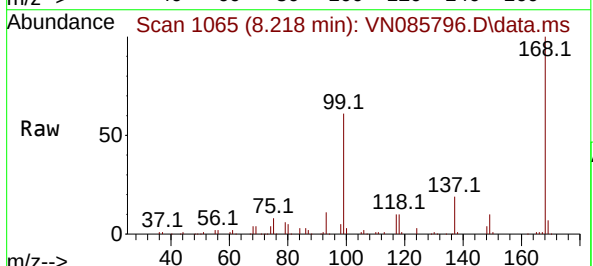
Tgt Ion: 117 Resp: 26815

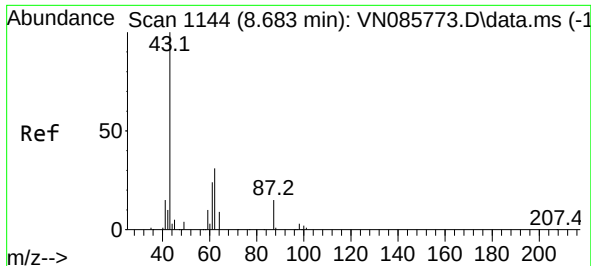
Ion Ratio Lower Upper

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

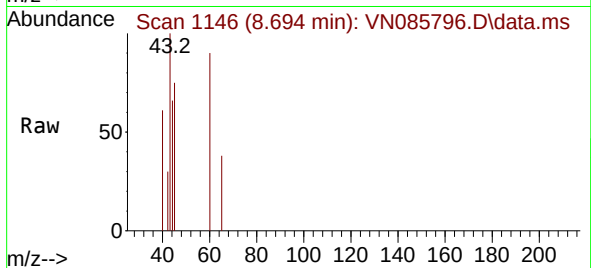
Lab File: VN085796.D

Acq: 20 Feb 2025 11:44

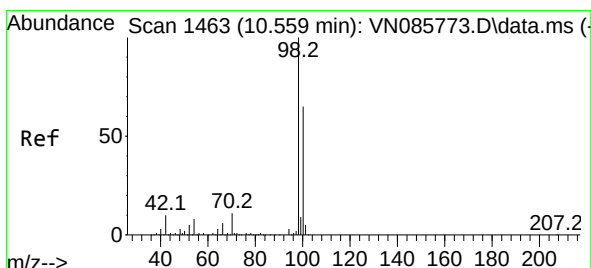
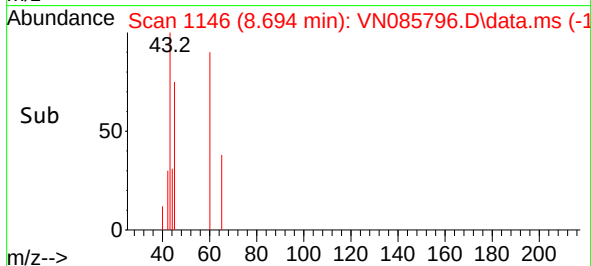
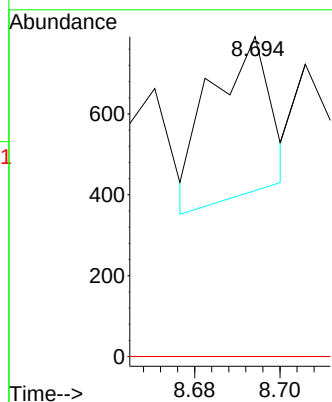
Instrument :

MSVOA_N

ClientSampleId :



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: 51.930 ug/l

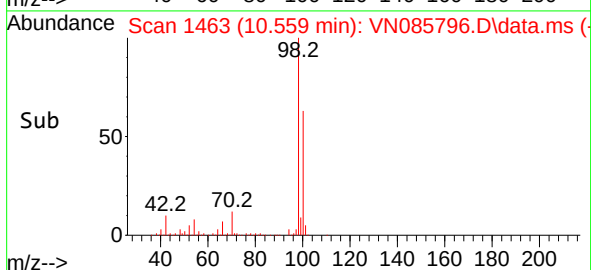
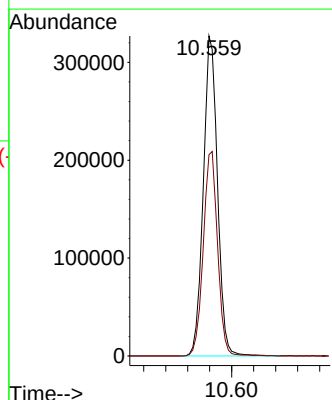
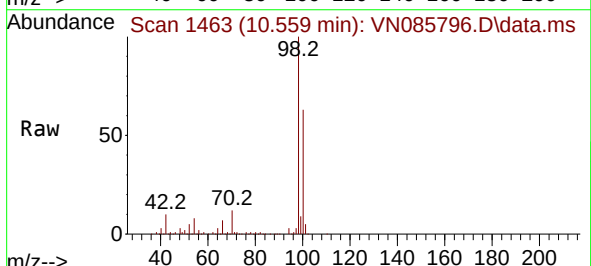
RT: 10.559 min Scan# 1463

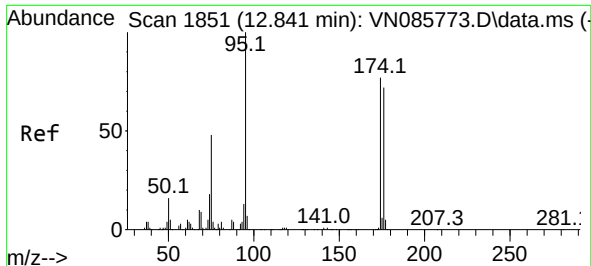
Delta R.T. -0.000 min

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

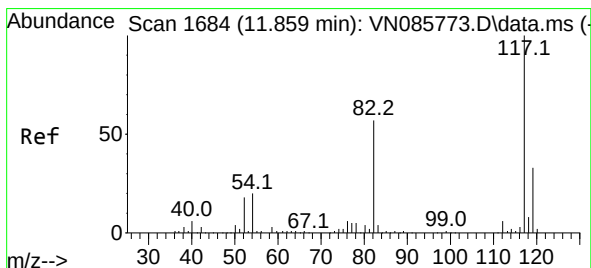
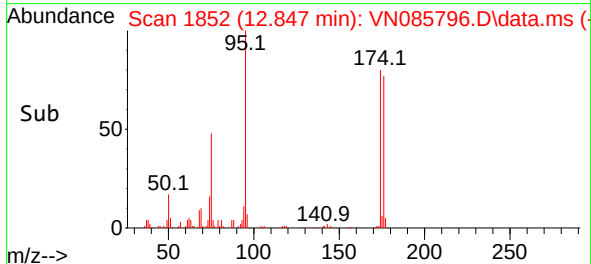
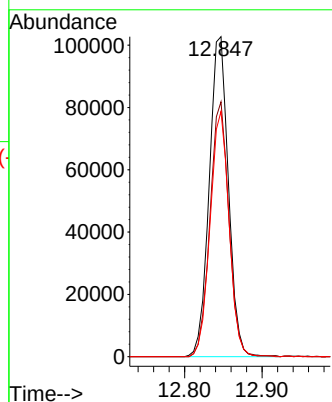
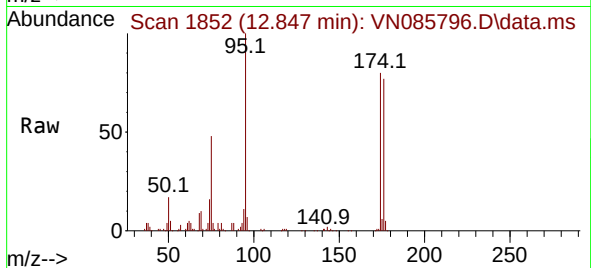




#62
4-Bromofluorobenzene
Concen: 47.466 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

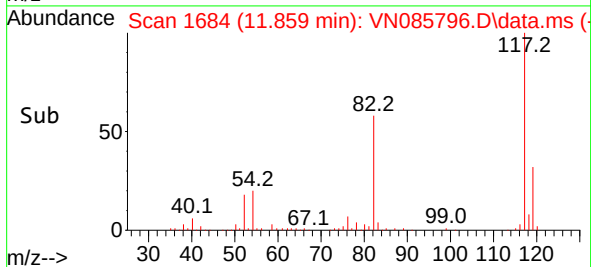
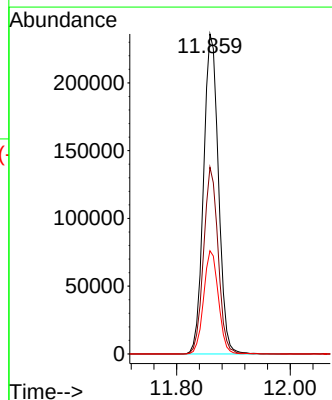
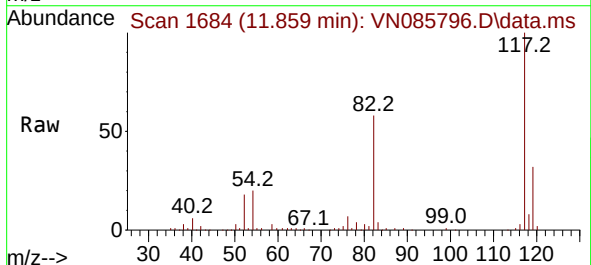
Instrument :
MSVOA_N
ClientSampleId :

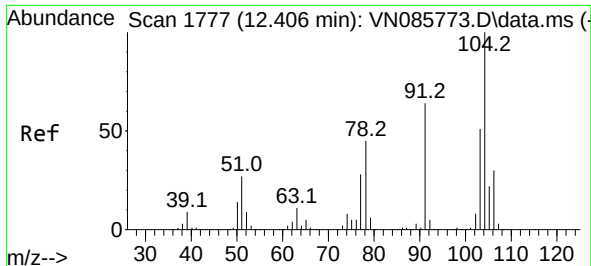
Tgt Ion: 95 Resp: 176350
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.4
176 75.7 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

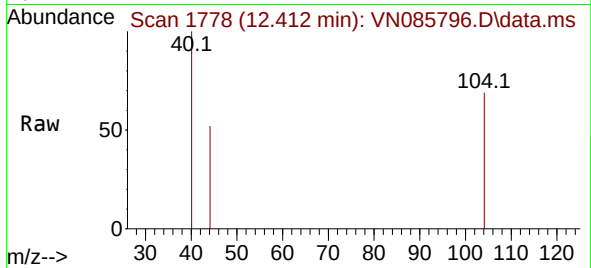
Tgt Ion: 117 Resp: 428474
Ion Ratio Lower Upper
117 100
82 58.3 45.7 68.5
119 32.2 26.2 39.2



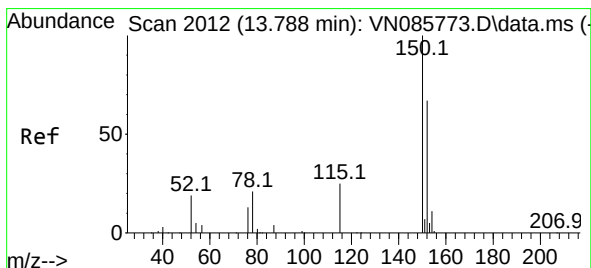
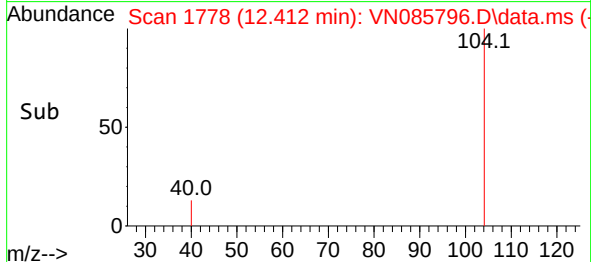
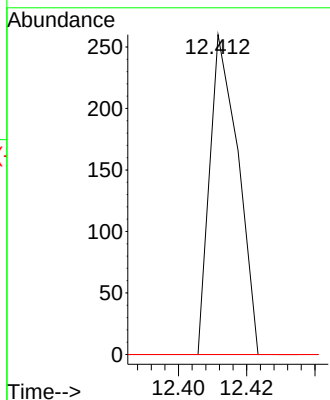


#70
Styrene
Concen: 0.600 ug/l
RT: 12.412 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :

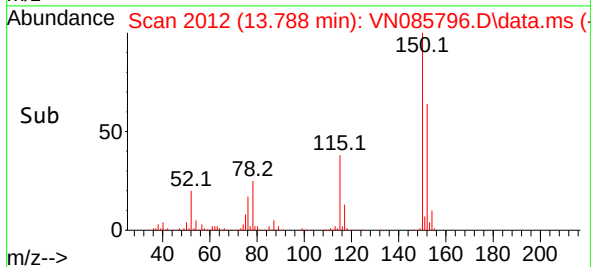
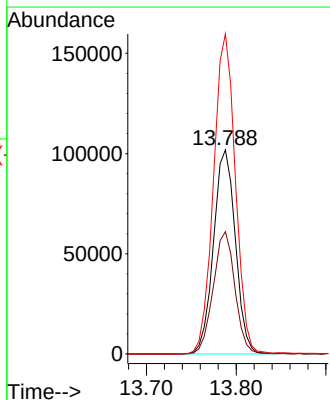
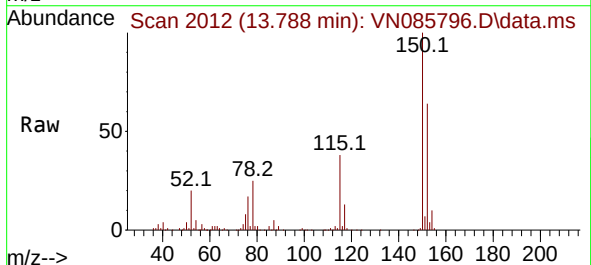


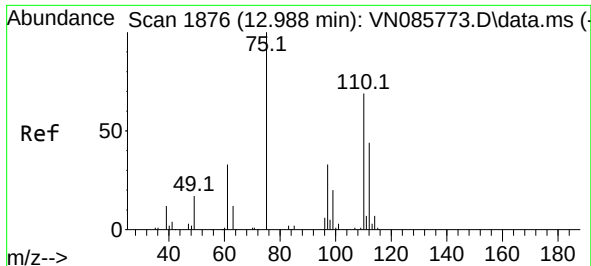
Tgt Ion:104 Resp: 150
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 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

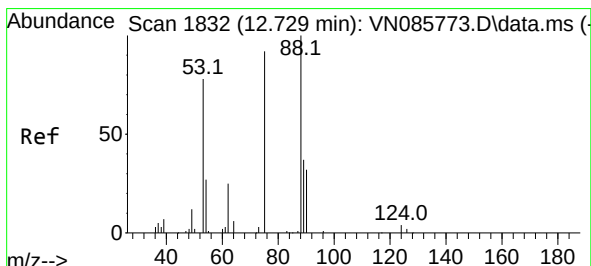
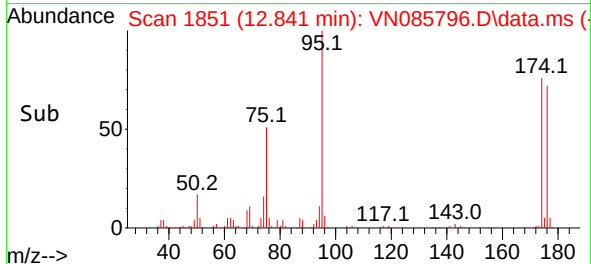
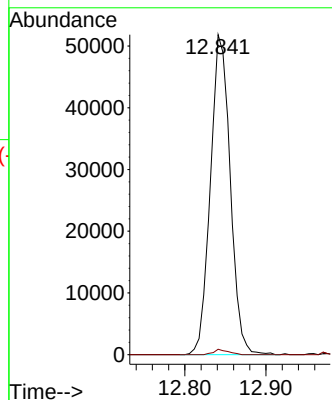
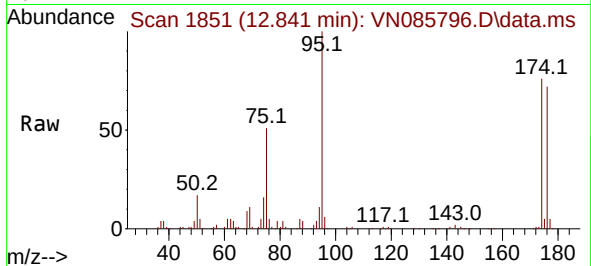




#76
1,2,3-Trichloropropane
Concen: 22.919 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.147 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

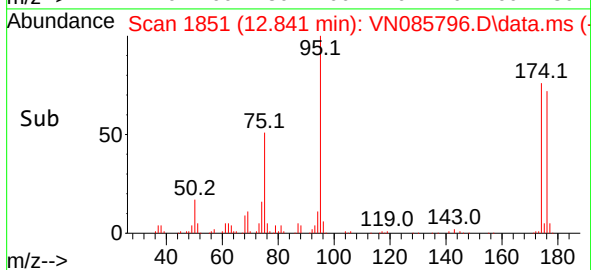
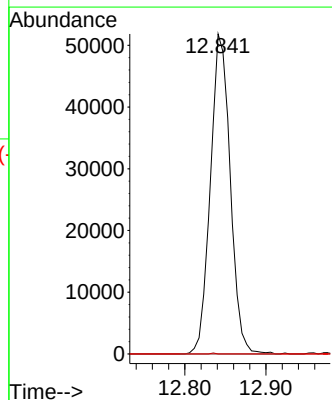
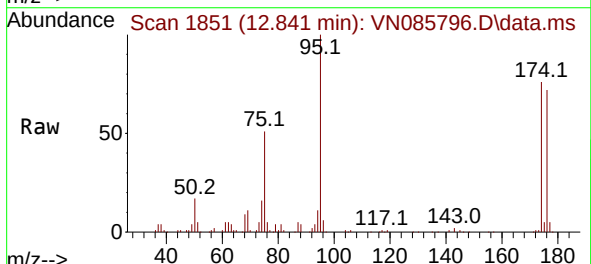
Instrument :
MSVOA_N
ClientSampleId :

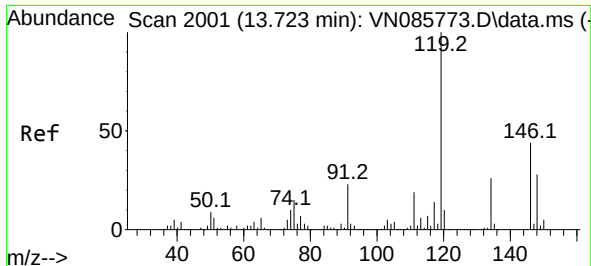
Tgt Ion: 75 Resp: 87926
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.872 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.112 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

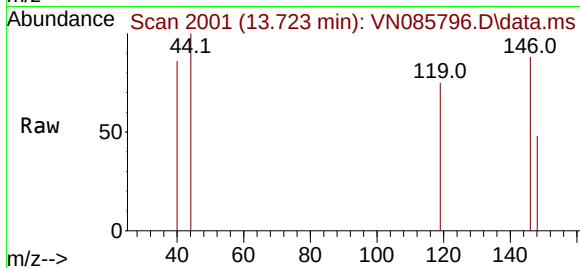
Tgt Ion: 75 Resp: 87926
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#



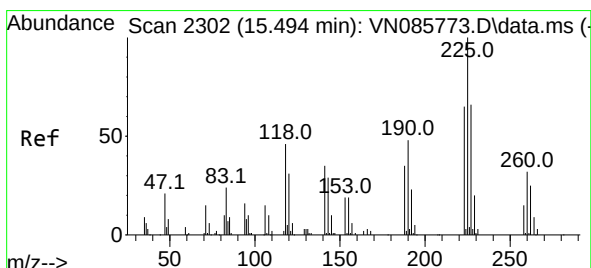
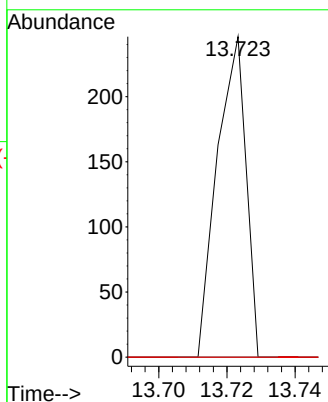
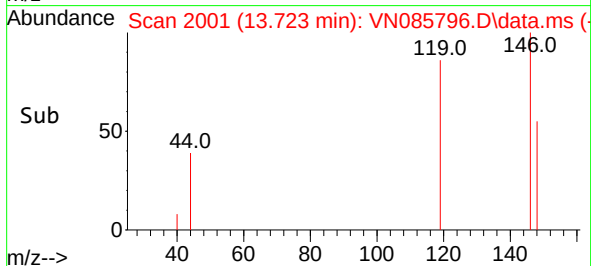


#86
 p-Isopropyltoluene
 Concen: 0.640 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN085796.D
 Acq: 20 Feb 2025 11:44

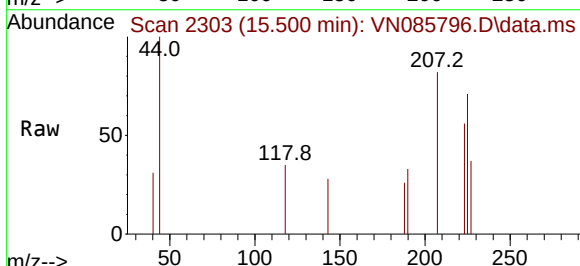
Instrument :
 MSVOA_N
 ClientSampleId :



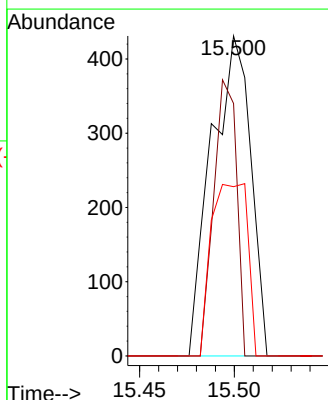
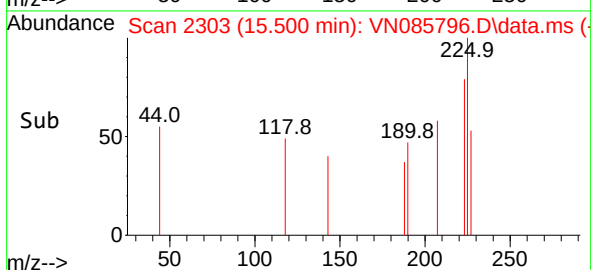
Tgt Ion:119 Resp: 144
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 0.0 11.7 35.1#

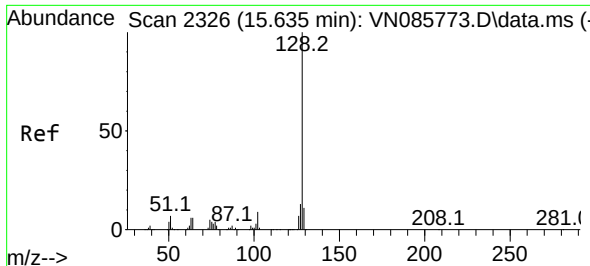


#94
 Hexachlorobutadiene
 Concen: 0.372 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. 0.006 min
 Lab File: VN085796.D
 Acq: 20 Feb 2025 11:44



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

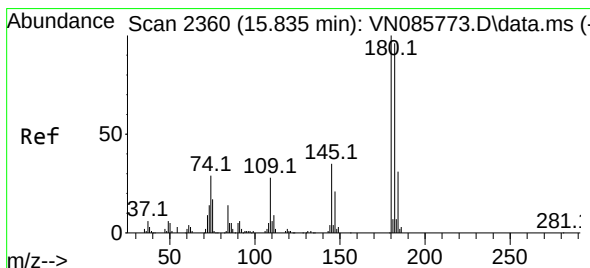
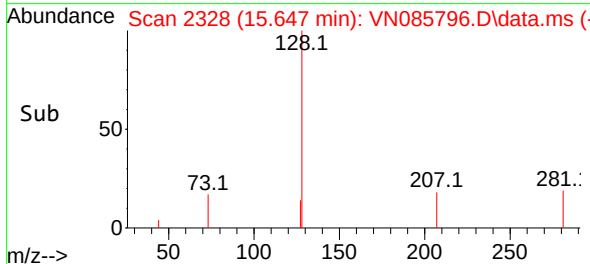
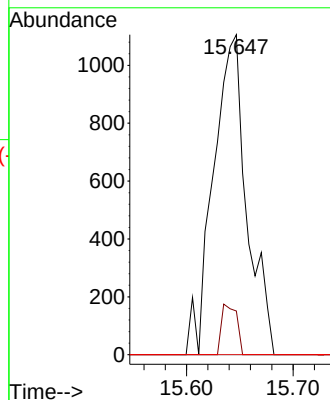
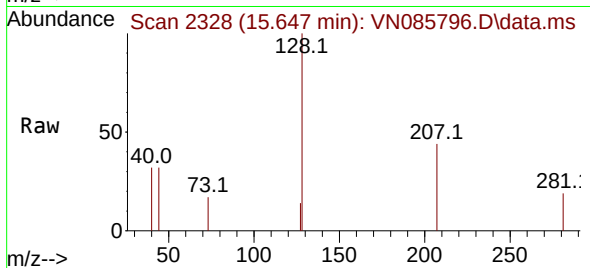




#95
Naphthalene
Concen: 0.321 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN085796.D
Acq: 20 Feb 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :

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: 0.230 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#

