

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
 Data File : VN085784.D
 Acq On : 19 Feb 2025 11:49
 Operator : JC\MD
 Sample : VN0219WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBL01

Quant Time: Feb 20 00:45:55 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)

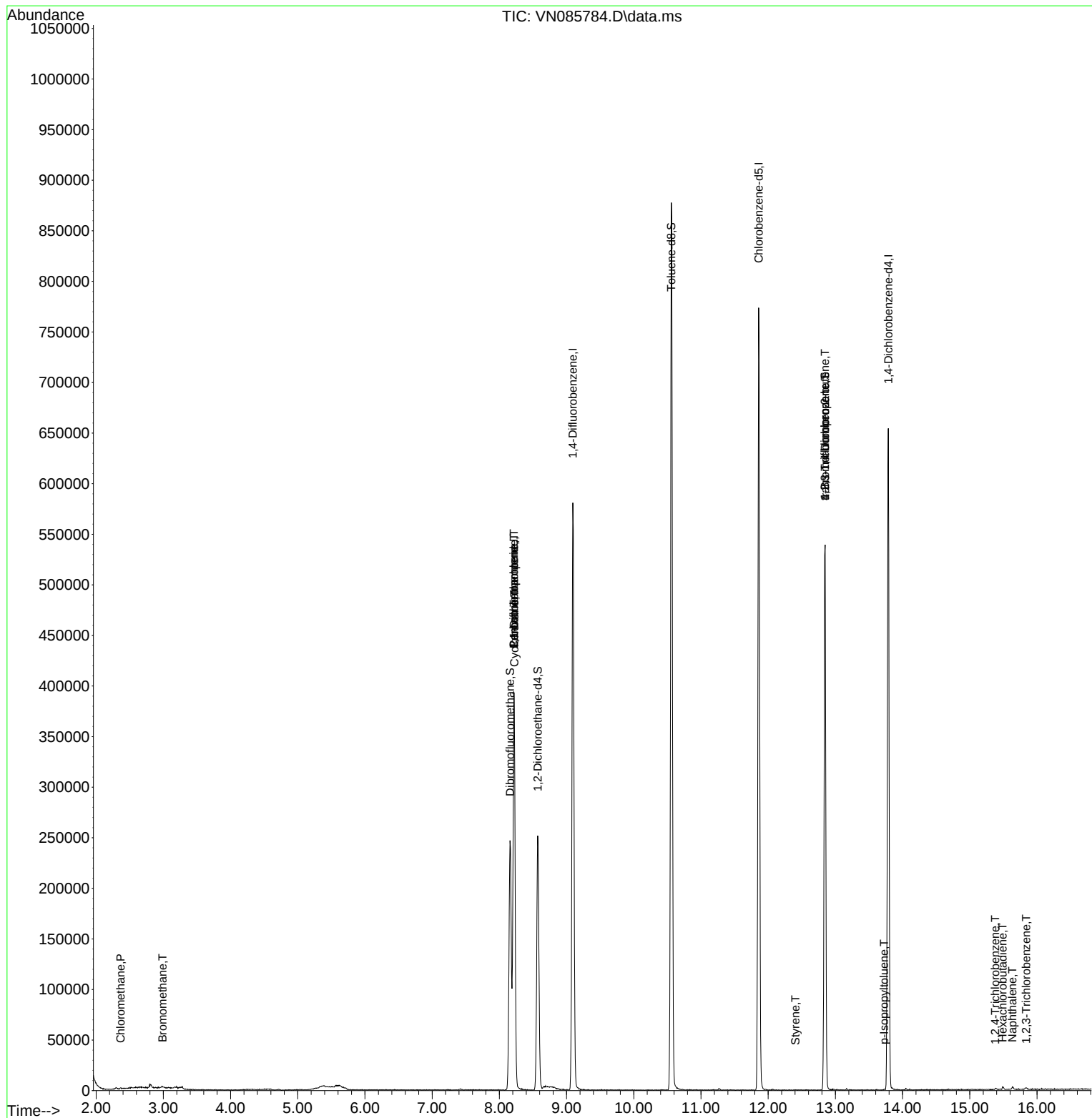
Internal Standards						
1) Pentafluorobenzene	8.218	168	286037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	514740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	457806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	185142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	207977	56.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 112.160%		
35) Dibromofluoromethane	8.159	113	183991	54.626	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 109.260%		
50) Toluene-d8	10.559	98	636245	51.919	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 103.840%		
62) 4-Bromofluorobenzene	12.847	95	194403	48.148	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 96.300%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	887	0.227	ug/l	99
5) Bromomethane	2.989	94	847	0.320	ug/l #	71
31) Cyclohexane	8.224	56	6068	1.146	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	23377	4.904	ug/l #	50
38) Carbon Tetrachloride	8.218	117	30503	5.385	ug/l #	18
43) Isopropyl Acetate	8.688	43	2873	Below Cal	#	53
70) Styrene	12.406	104	60	0.590	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	96399	23.440	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	96399	68.392	ug/l #	12
86) p-Isopropyltoluene	13.723	119	132	0.638	ug/l #	50
93) 1,2,4-Trichlorobenzene	15.376	180	735	0.250	ug/l #	71
94) Hexachlorobutadiene	15.488	225	748	0.418	ug/l	87
95) Naphthalene	15.635	128	3387	0.419	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.841	180	883	0.299	ug/l #	57

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

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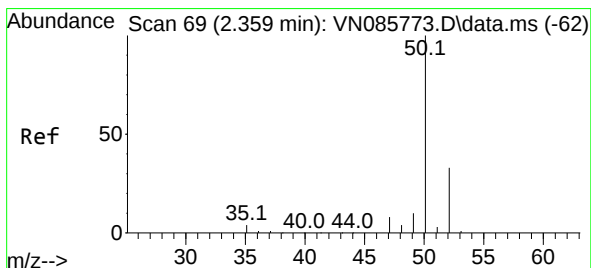
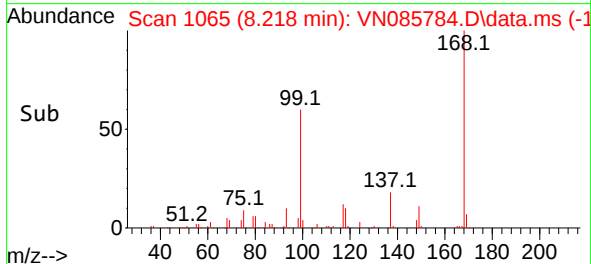
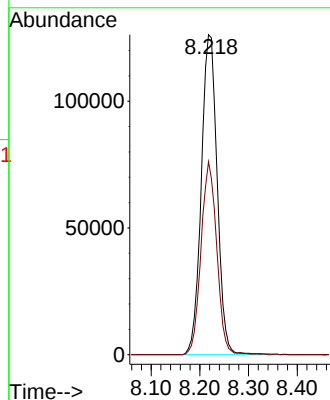
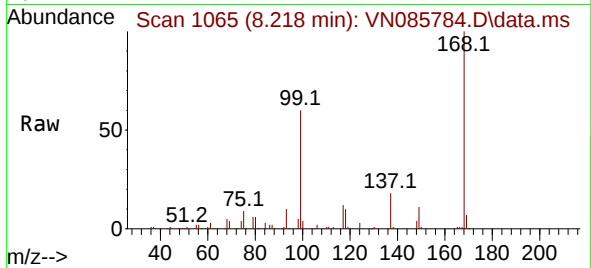




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

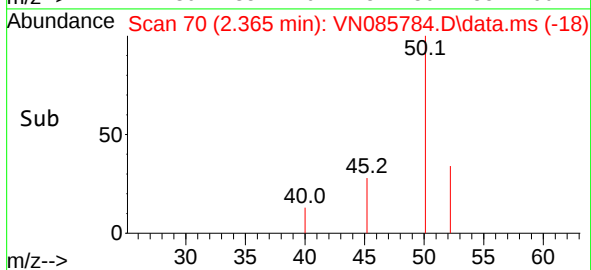
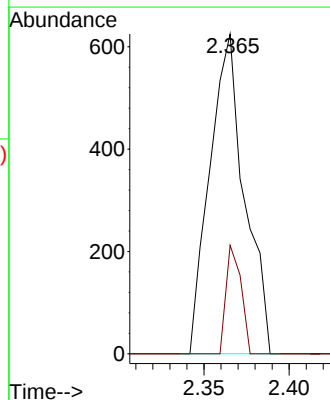
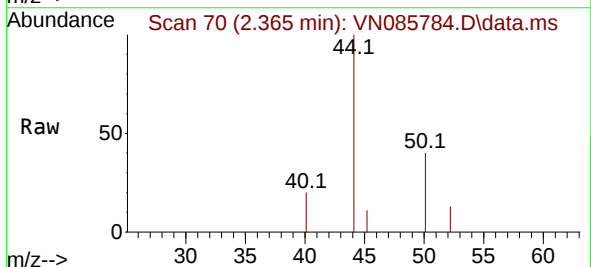
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

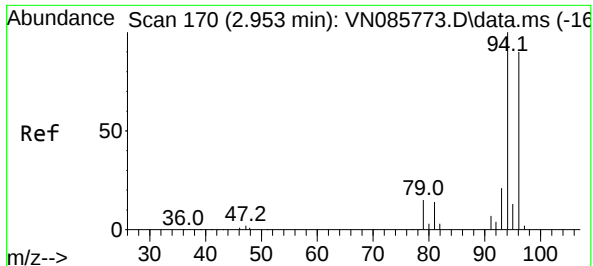
Tgt Ion:168 Resp: 286037
Ion Ratio Lower Upper
168 100
99 60.3 47.9 71.9



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion: 50 Resp: 887
Ion Ratio Lower Upper
50 100
52 33.9 26.7 40.1

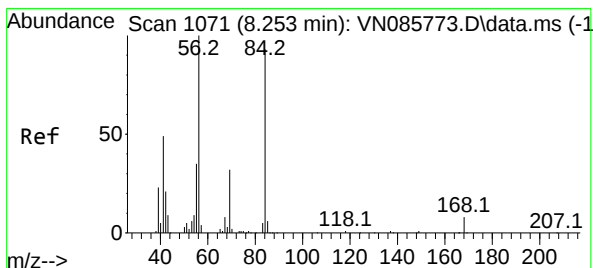
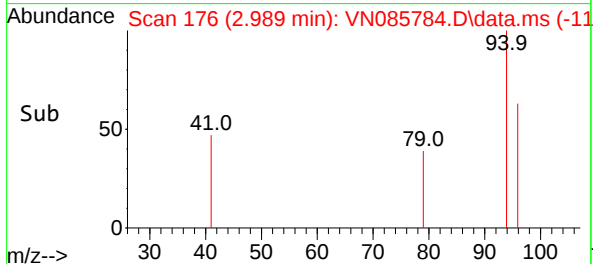
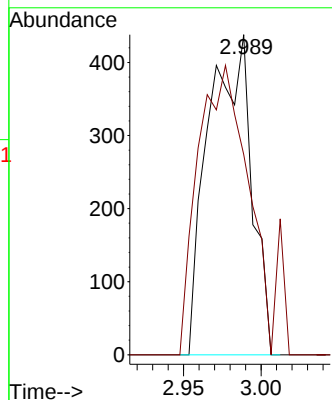
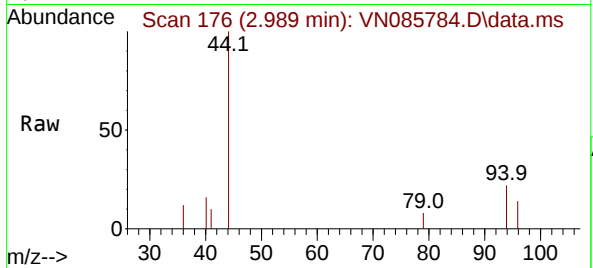




#5
Bromomethane
Concen: 0.320 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

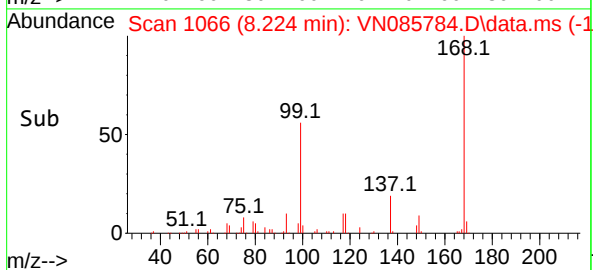
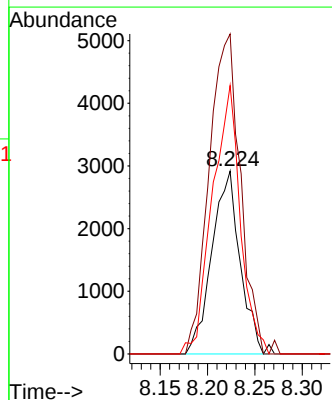
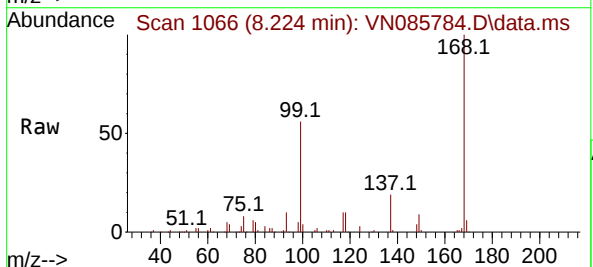
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

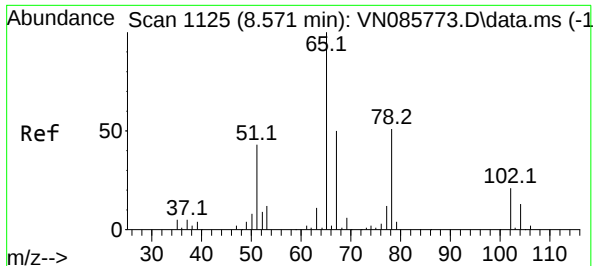
Tgt Ion: 94 Resp: 847
Ion Ratio Lower Upper
94 100
96 62.6 71.7 107.5#



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion: 56 Resp: 6068
Ion Ratio Lower Upper
56 100
69 175.0 25.8 38.6#
84 146.8 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 56.083 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085784.D

Acq: 19 Feb 2025 11:49

Instrument :

MSVOA_N

ClientSampleId :

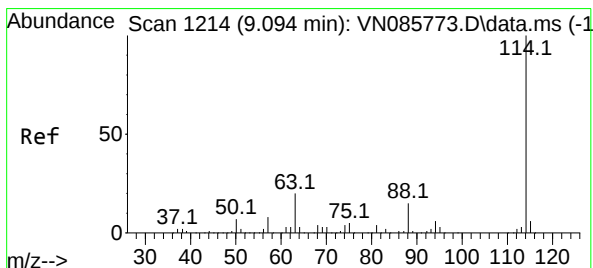
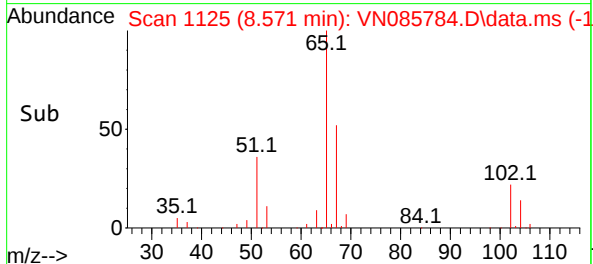
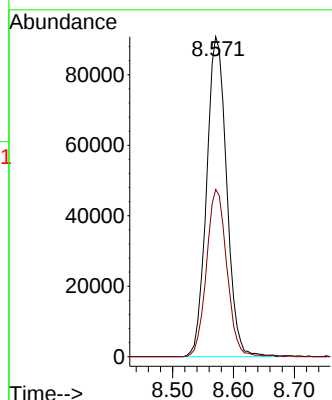
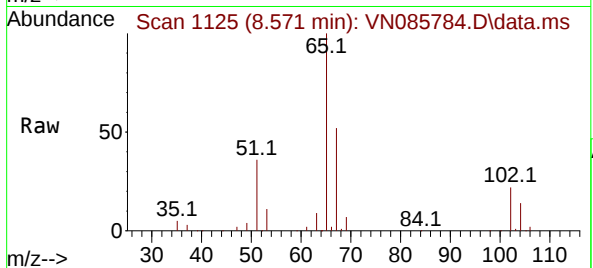
VN0219WBL01

Tgt Ion: 65 Resp: 207977

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085784.D

Acq: 19 Feb 2025 11:49

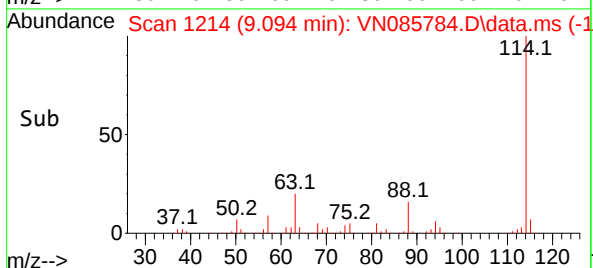
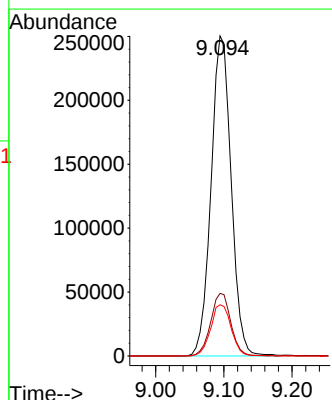
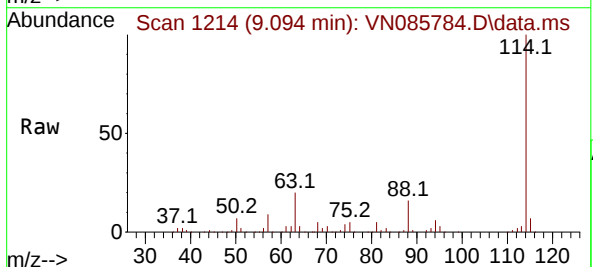
Tgt Ion: 114 Resp: 514740

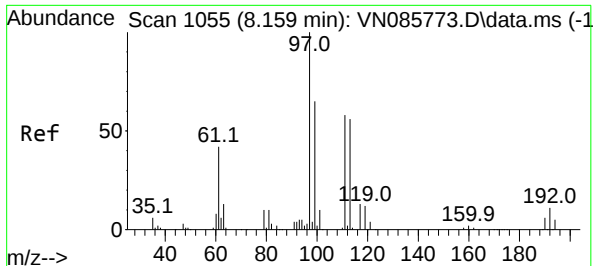
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 16.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.626 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085784.D

Acq: 19 Feb 2025 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBL01

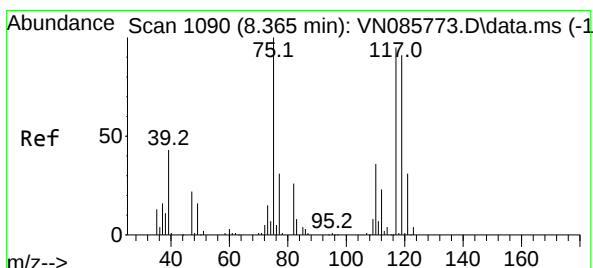
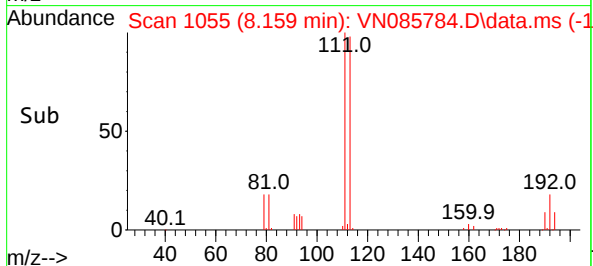
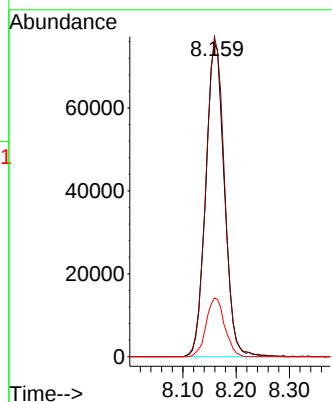
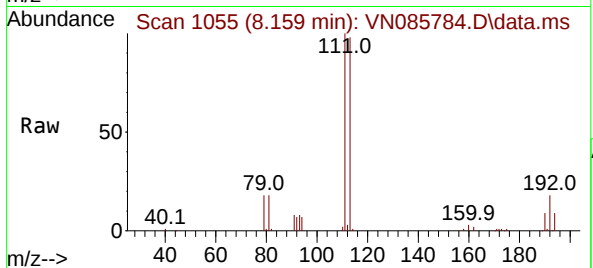
Tgt Ion:113 Resp: 183991

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 18.5 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085784.D

Acq: 19 Feb 2025 11:49

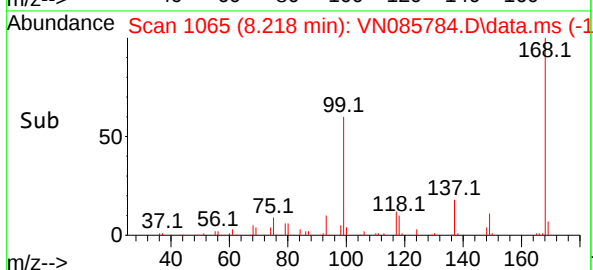
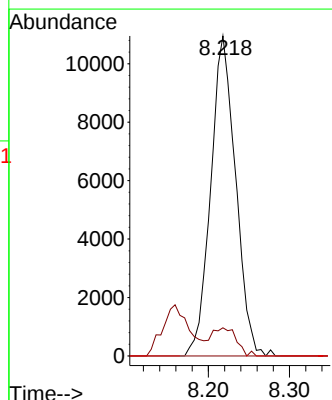
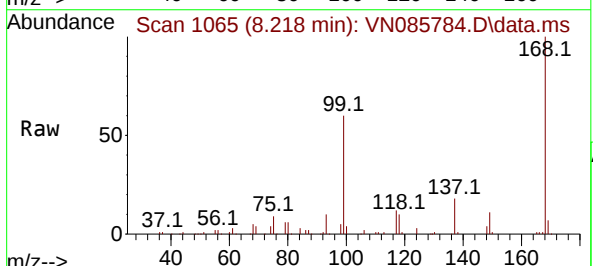
Tgt Ion: 75 Resp: 23377

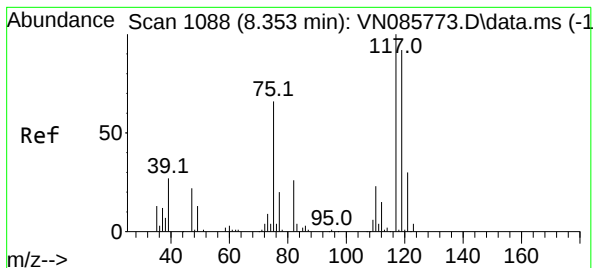
Ion Ratio Lower Upper

75 100

110 9.0 17.3 52.0#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.385 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085784.D

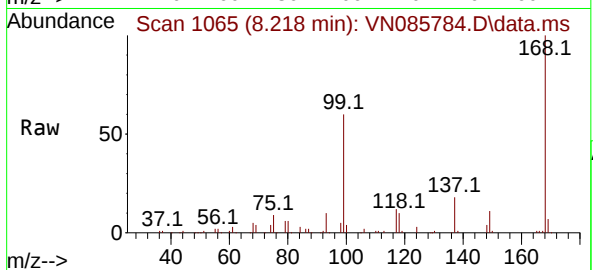
Acq: 19 Feb 2025 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBL01



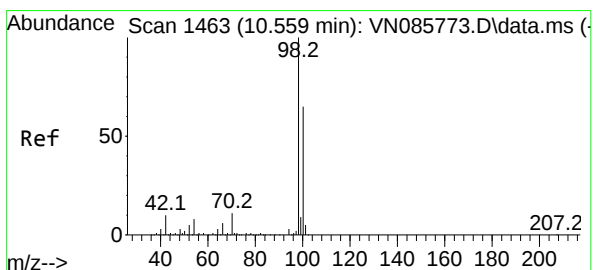
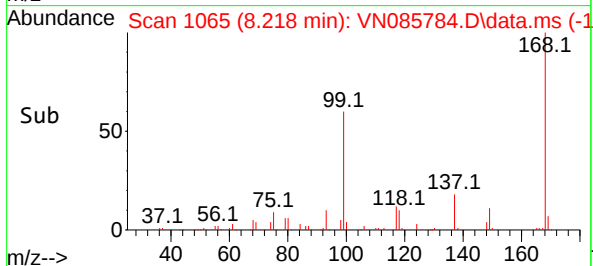
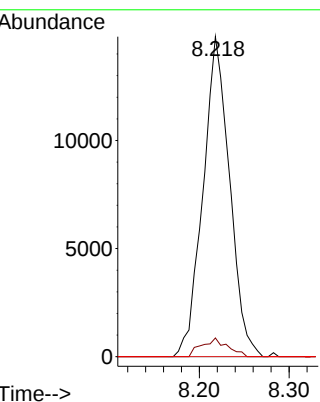
Tgt Ion:117 Resp: 30503

Ion Ratio Lower Upper

117 100

119 5.8 73.8 110.6#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 51.919 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VN085784.D

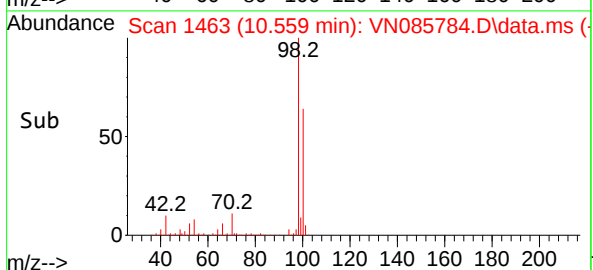
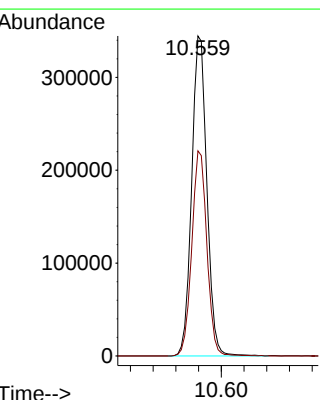
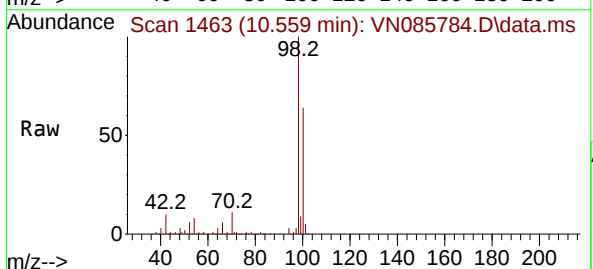
Acq: 19 Feb 2025 11:49

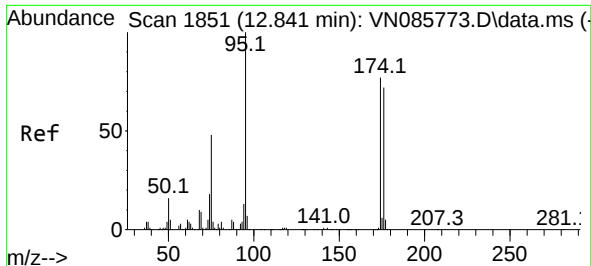
Tgt Ion: 98 Resp: 636245

Ion Ratio Lower Upper

98 100

100 63.9 52.1 78.1

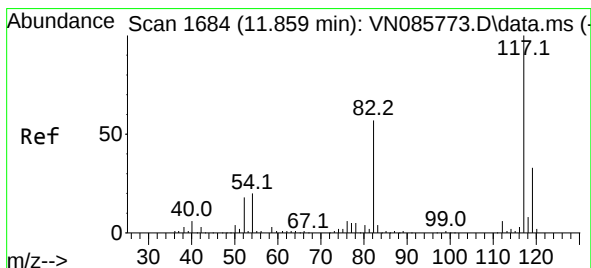
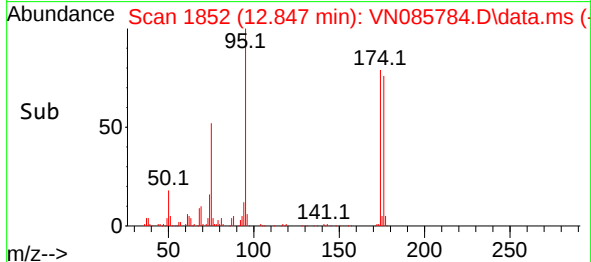
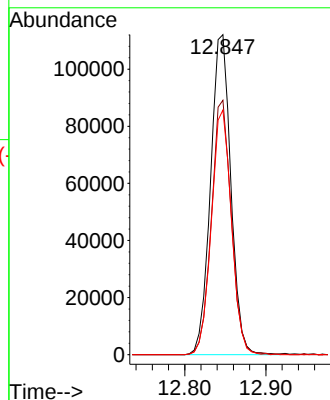
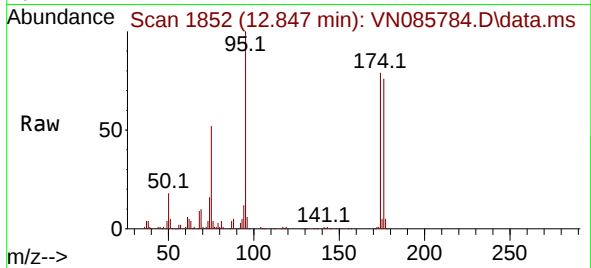




#62
4-Bromofluorobenzene
Concen: 48.148 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

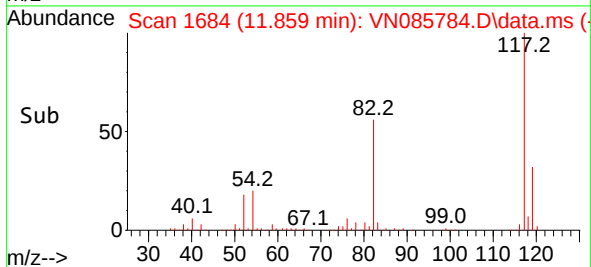
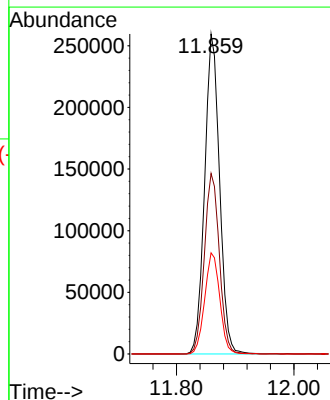
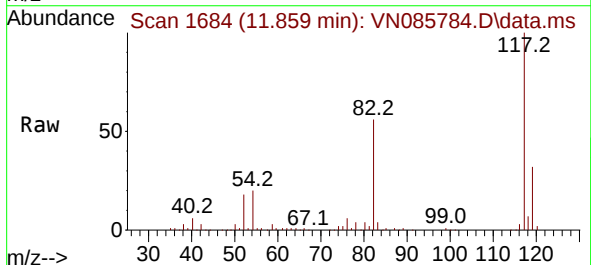
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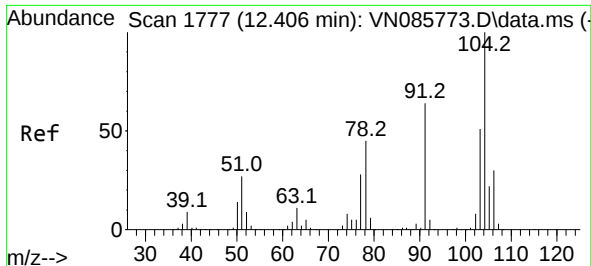
Tgt Ion: 95 Resp: 194403
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.4
176 75.6 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion: 117 Resp: 457806
Ion Ratio Lower Upper
117 100
82 56.4 45.7 68.5
119 31.6 26.2 39.2

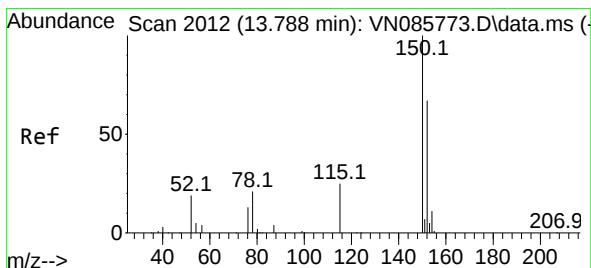
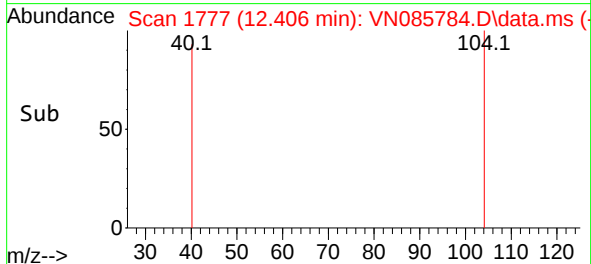
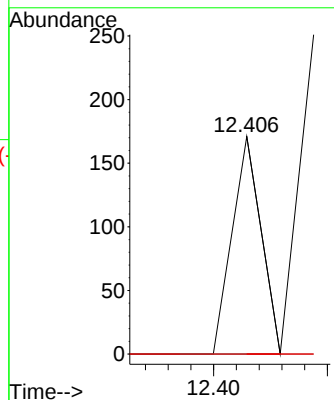
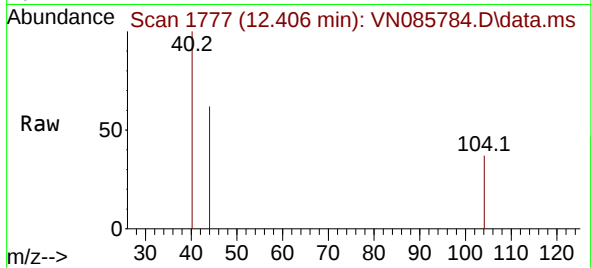




#70
Styrene
Concen: 0.590 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

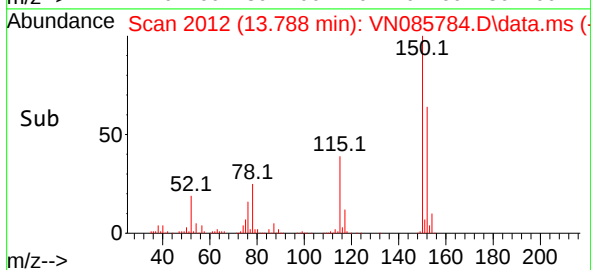
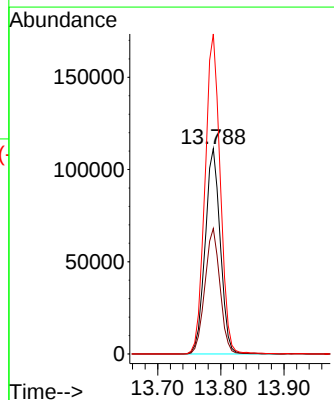
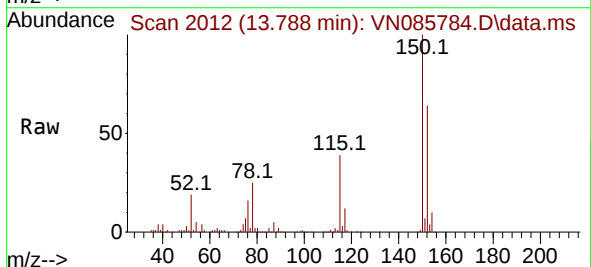
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

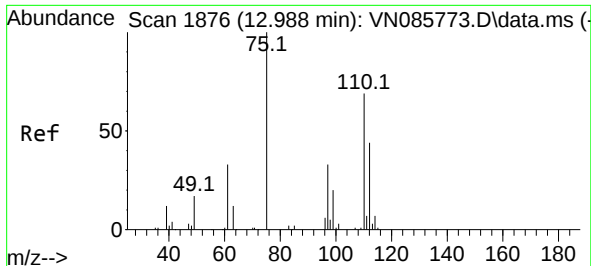
Tgt Ion:104 Resp: 60
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion:152 Resp: 185142
Ion Ratio Lower Upper
152 100
115 60.8 30.4 91.3
150 156.7 0.0 345.4

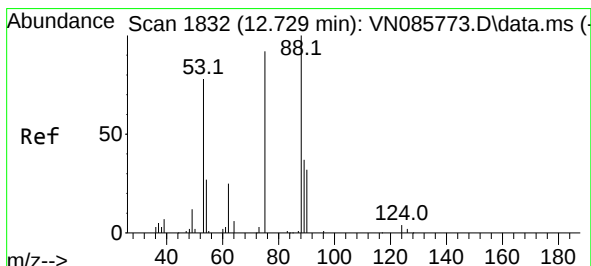
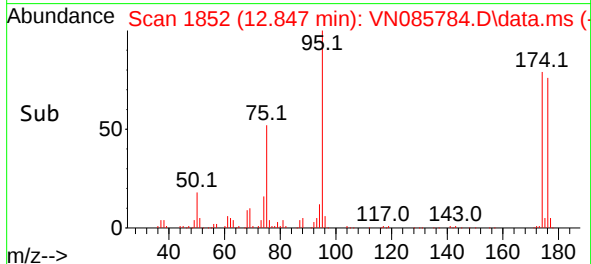
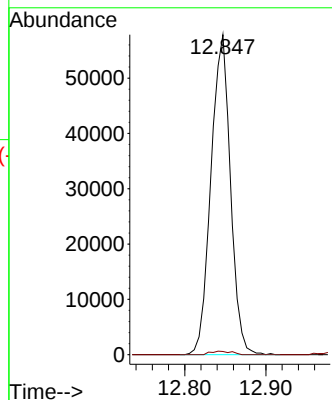
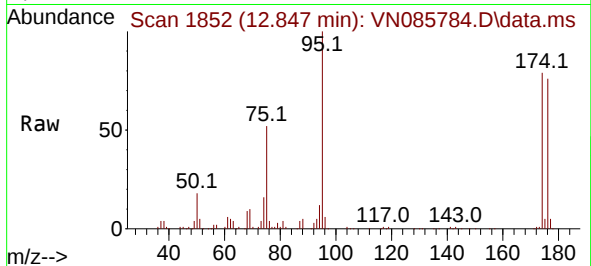




#76
1,2,3-Trichloropropane
Concen: 23.440 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

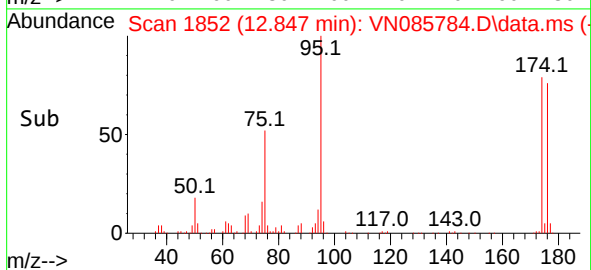
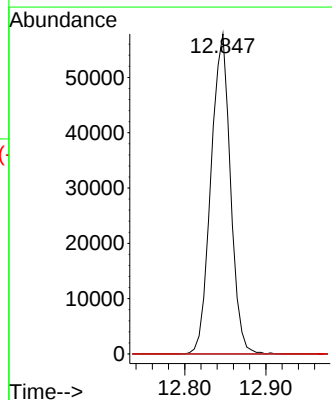
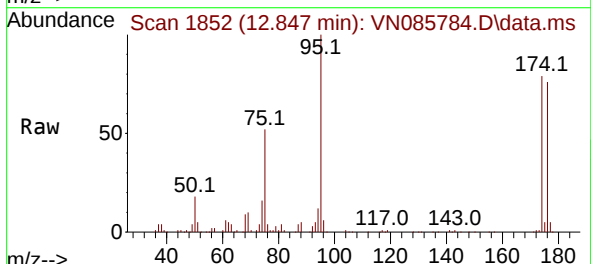
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

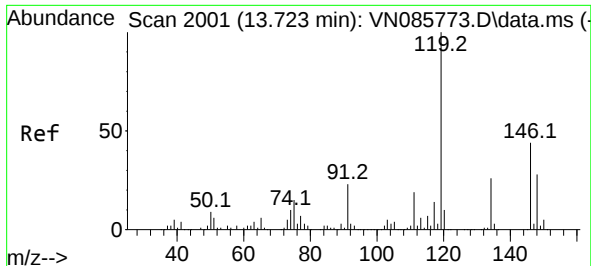
Tgt Ion: 75 Resp: 96399
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.392 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

Tgt Ion: 75 Resp: 96399
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

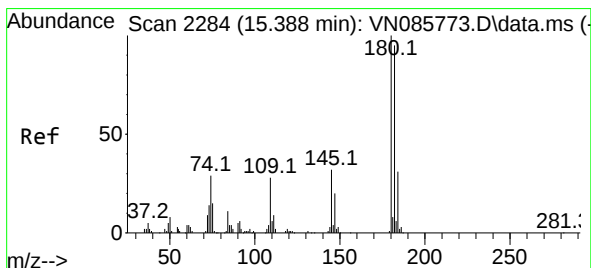
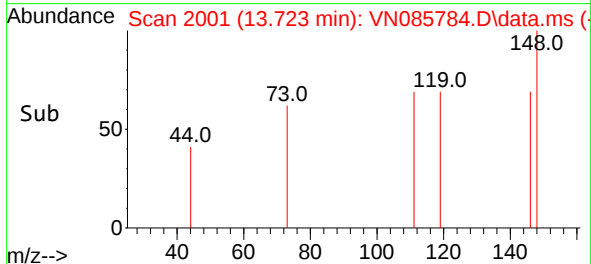
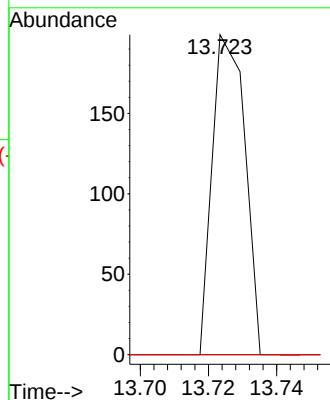
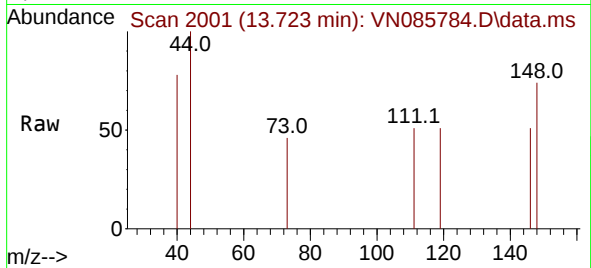




#86
 p-Isopropyltoluene
 Concen: 0.638 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN085784.D
 Acq: 19 Feb 2025 11:49

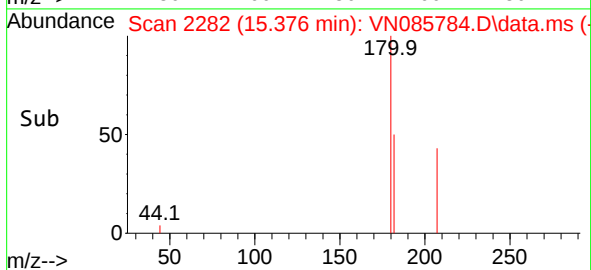
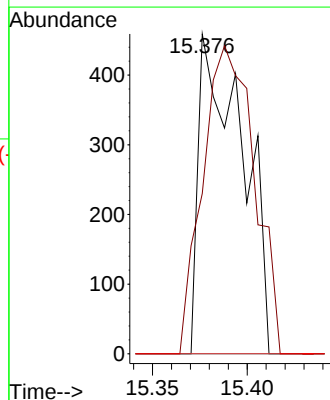
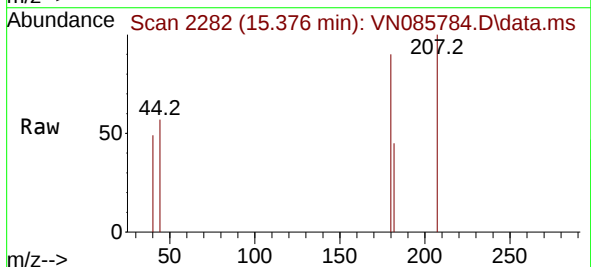
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBL01

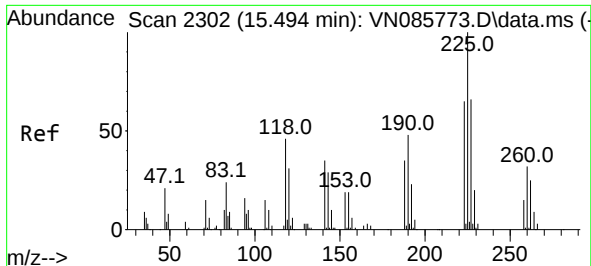
Tgt Ion:119 Resp: 132
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 0.0 11.7 35.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.250 ug/l
 RT: 15.376 min Scan# 2282
 Delta R.T. -0.012 min
 Lab File: VN085784.D
 Acq: 19 Feb 2025 11:49

Tgt Ion:180 Resp: 735
 Ion Ratio Lower Upper
 180 100
 182 113.6 47.3 141.9
 145 0.0 16.2 48.5#

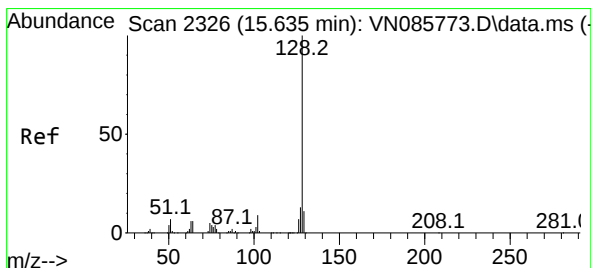
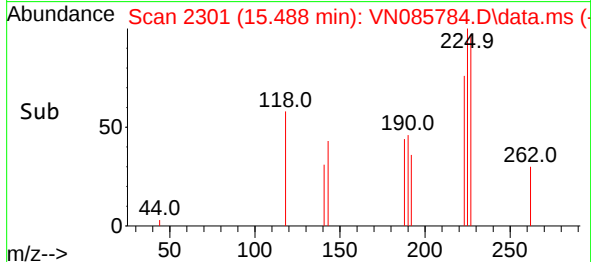
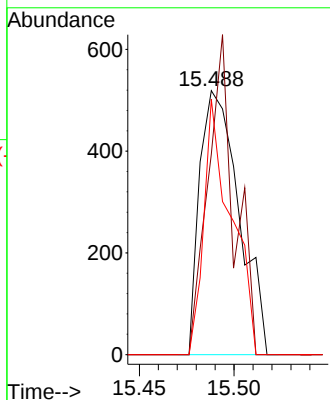
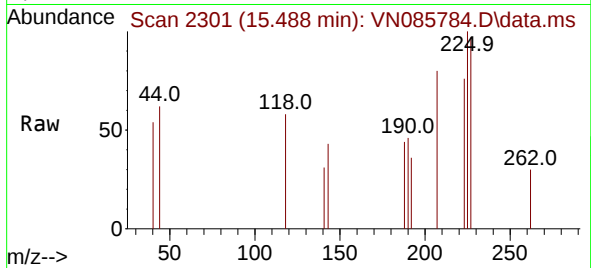




#94
Hexachlorobutadiene
Concen: 0.418 ug/l
RT: 15.488 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

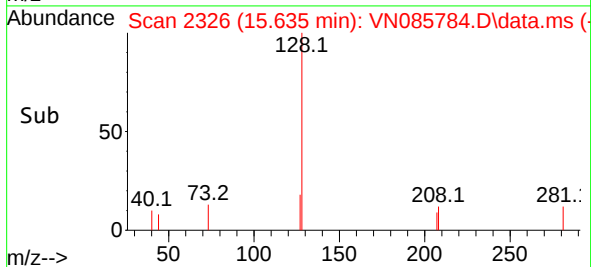
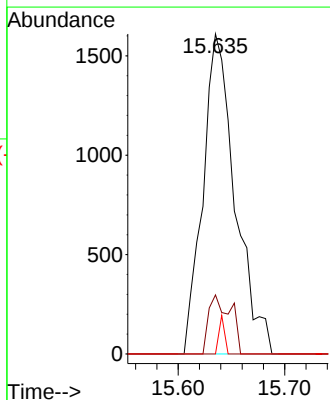
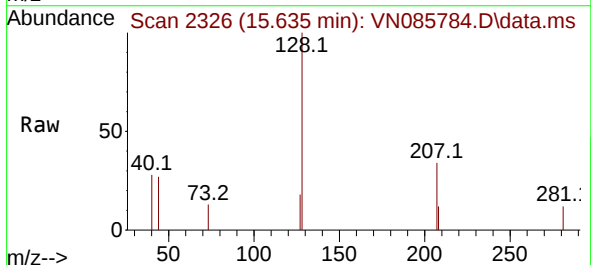
Instrument :
MSVOA_N
ClientSampleId :
VN0219WBL01

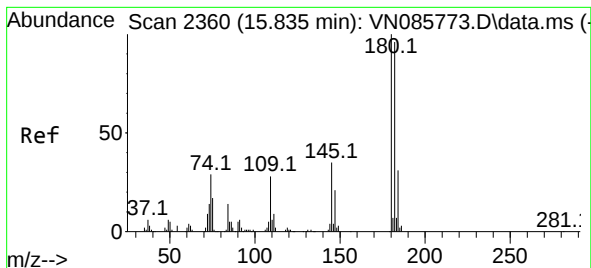
Tgt Ion:225 Resp: 748
Ion Ratio Lower Upper
225 100
223 81.6 31.9 95.5
227 67.5 32.2 96.6



#95
Naphthalene
Concen: 0.419 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085784.D
Acq: 19 Feb 2025 11:49

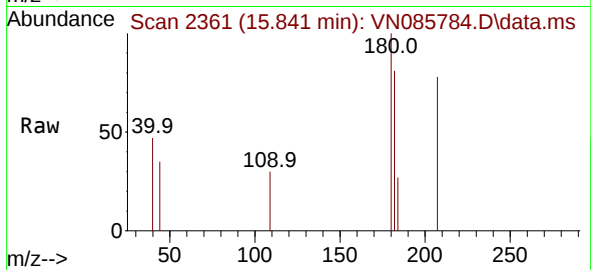
Tgt Ion:128 Resp: 3387
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 2.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.299 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN085784.D
 Acq: 19 Feb 2025 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBL01



Tgt Ion:180 Resp: 883
 Ion Ratio Lower Upper
 180 100
 182 134.8 47.3 141.8
 145 7.0 16.9 50.6#

