

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086401.D
 Acq On : 28 Apr 2025 10:58
 Operator : JC\MD
 Sample : VN0428WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBL01

Quant Time: Apr 29 01:48:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

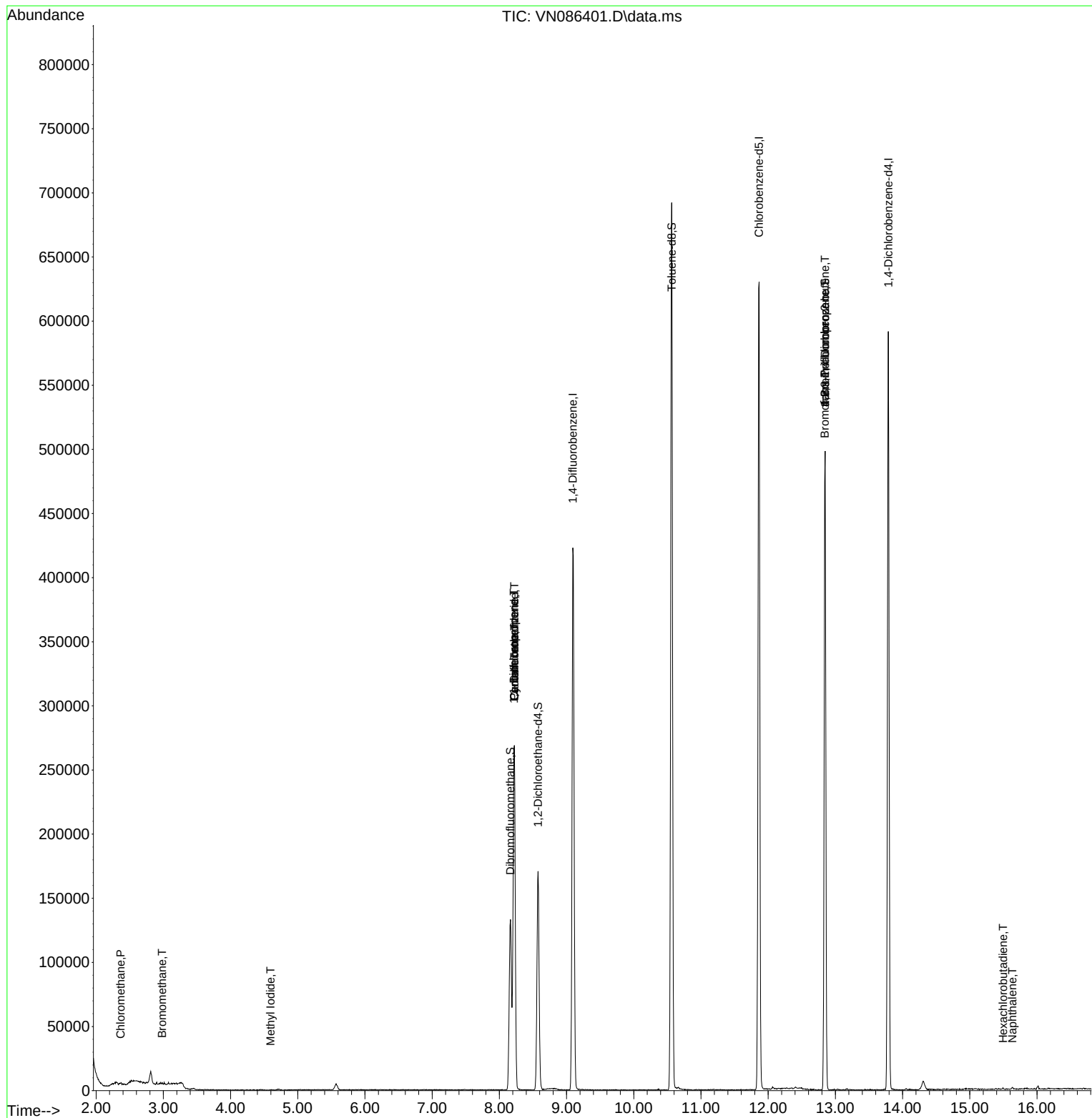
Internal Standards						
1) Pentafluorobenzene	8.224	168	202253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	381951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	370420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139828	47.677	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.360%
35) Dibromofluoromethane	8.165	113	99415	56.082	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.160%
50) Toluene-d8	10.565	98	492452	51.979	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.960%
62) 4-Bromofluorobenzene	12.847	95	183407	53.075	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1234	0.354	ug/l #	83
5) Bromomethane	2.983	94	730	0.488	ug/l	89
10) Methyl Iodide	4.595	142	545	0.222	ug/l #	42
16) Acetone	4.442	43	903	Below Cal	#	43
31) Cyclohexane	8.224	56	4608	0.970	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16334	4.613	ug/l #	50
38) Carbon Tetrachloride	8.224	117	20839	6.180	ug/l #	15
43) Isopropyl Acetate	8.677	43	356	Below Cal	#	55
71) Bromoform	12.841	173	564	0.275	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	93516	25.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93516	60.233	ug/l #	10
94) Hexachlorobutadiene	15.494	225	311	0.330	ug/l #	18
95) Naphthalene	15.635	128	2142	0.242	ug/l #	78

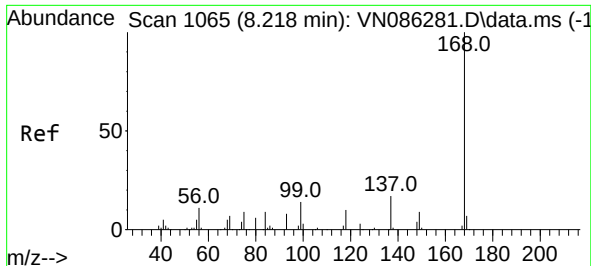
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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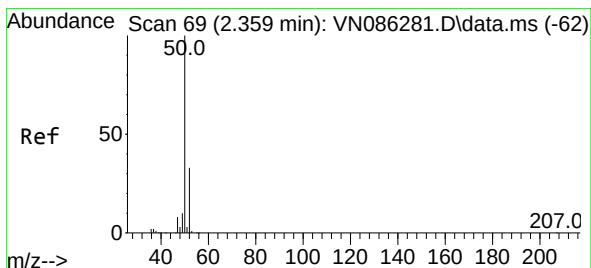
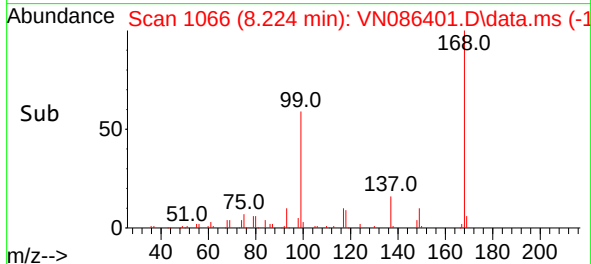
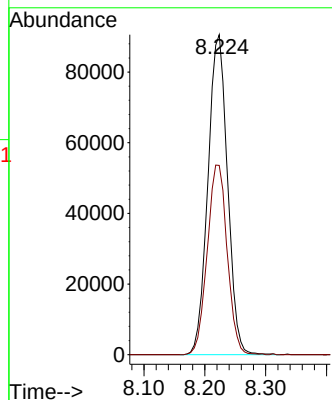
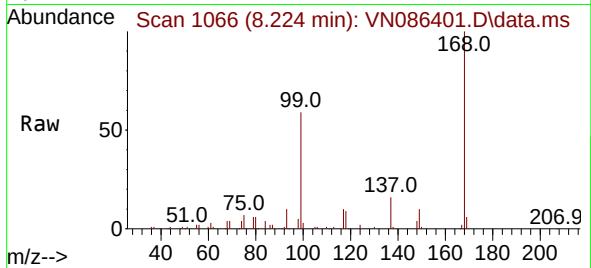




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

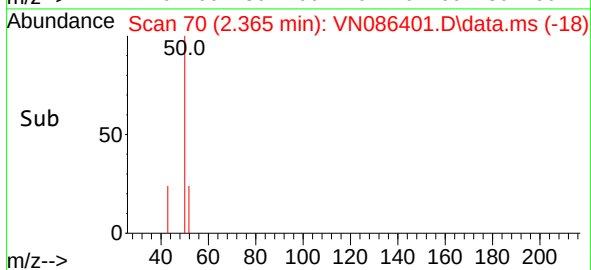
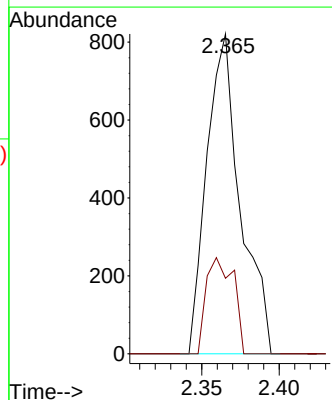
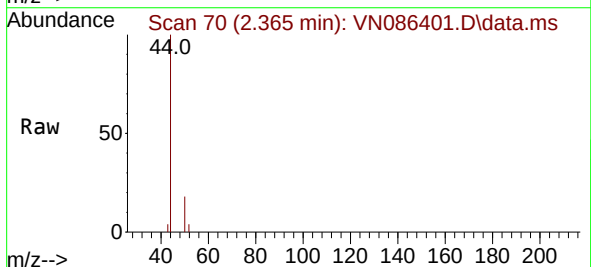
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

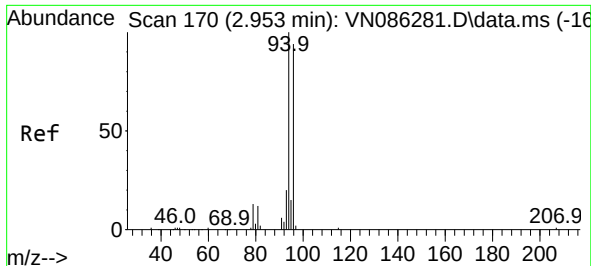
Tgt Ion:168 Resp: 202253
Ion Ratio Lower Upper
168 100
99 59.1 52.5 78.7



#3
Chloromethane
Concen: 0.354 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

Tgt Ion: 50 Resp: 1234
Ion Ratio Lower Upper
50 100
52 23.6 26.5 39.7#

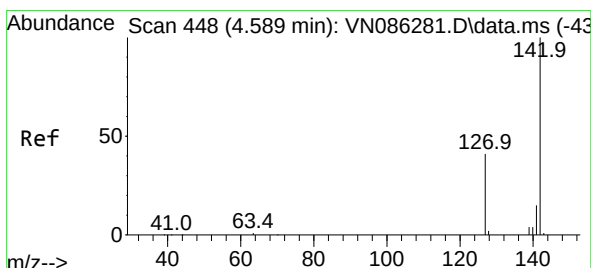
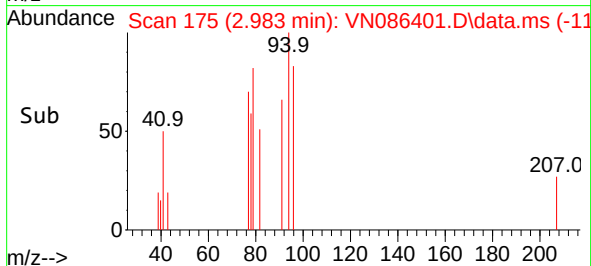
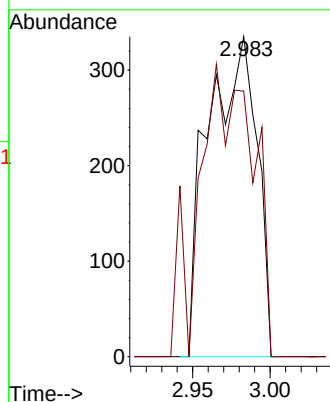
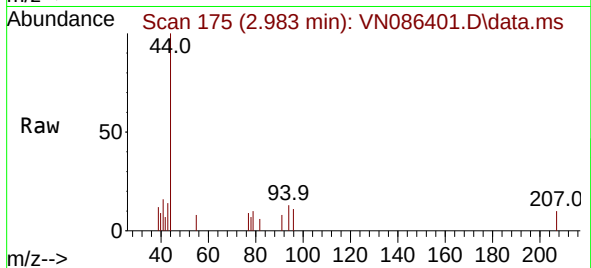




#5
Bromomethane
Concen: 0.488 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

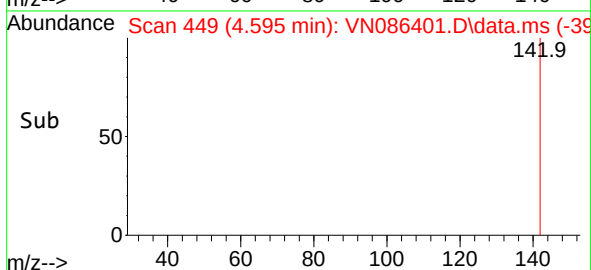
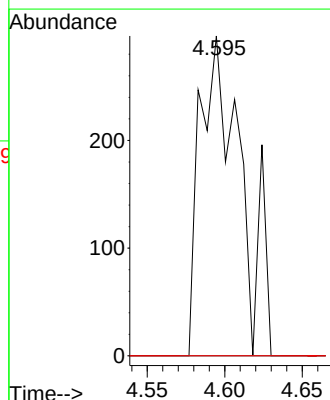
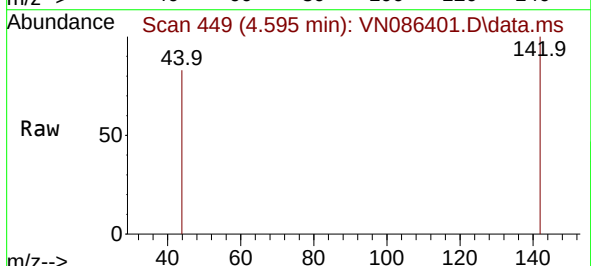
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

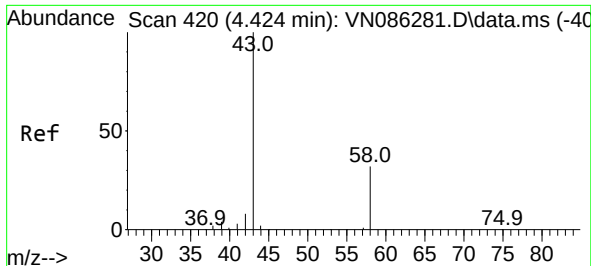
Tgt Ion: 94 Resp: 730
Ion Ratio Lower Upper
94 100
96 83.0 75.2 112.8



#10
Methyl Iodide
Concen: 0.222 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

Tgt Ion: 142 Resp: 545
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

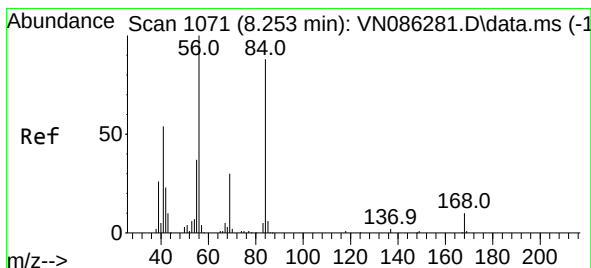
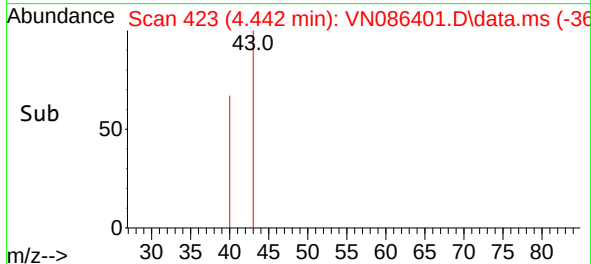
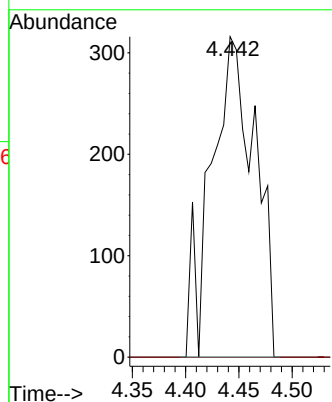
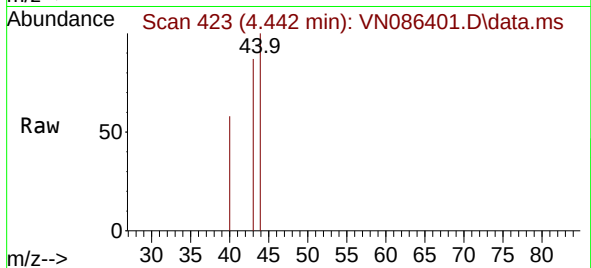




#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

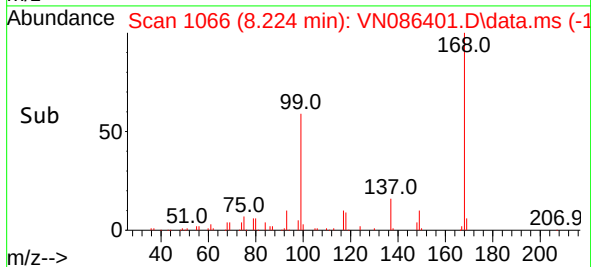
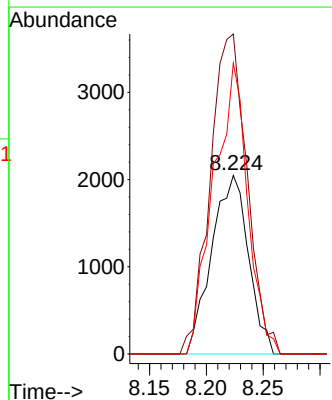
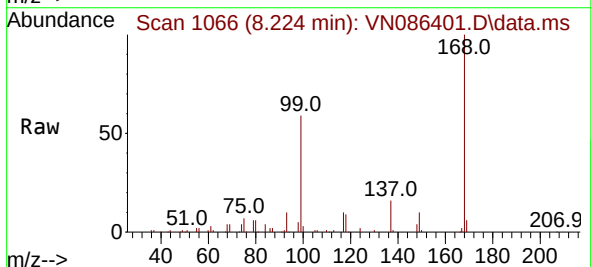
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

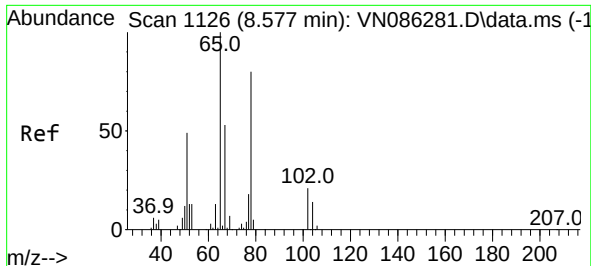
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#31
Cyclohexane
Concen: 0.970 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

Tgt Ion: 56 Resp: 4608
Ion Ratio Lower Upper
56 100
69 179.2 24.2 36.2#
84 162.9 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 47.677 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086401.D

Acq: 28 Apr 2025 10:58

Instrument :

MSVOA_N

ClientSampleId :

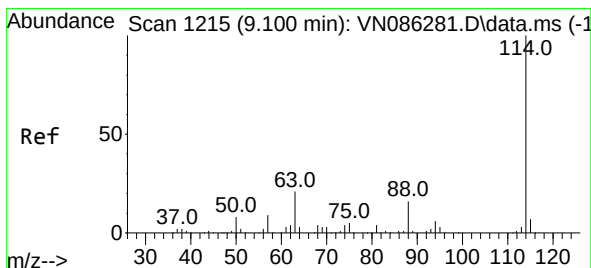
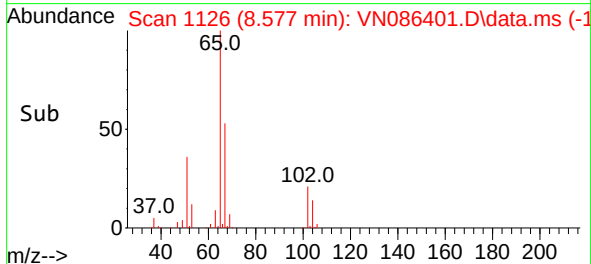
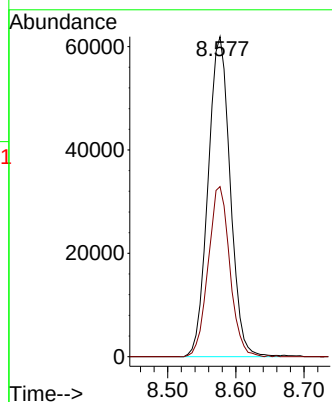
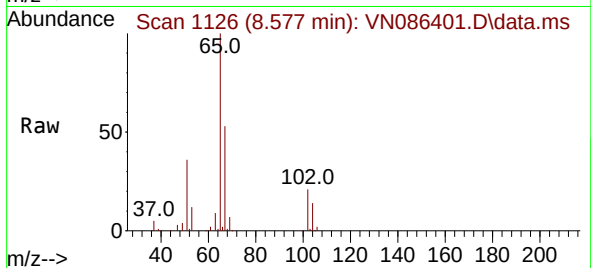
VN0428WBL01

Tgt Ion: 65 Resp: 139828

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086401.D

Acq: 28 Apr 2025 10:58

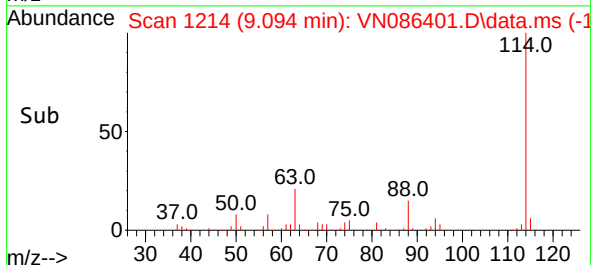
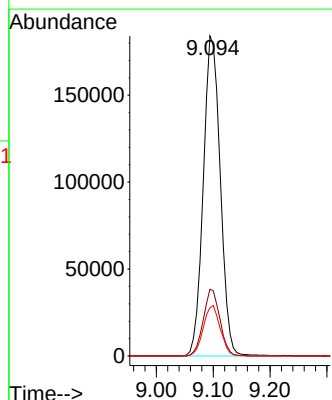
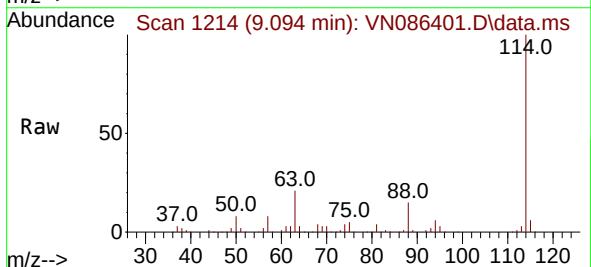
Tgt Ion: 114 Resp: 381951

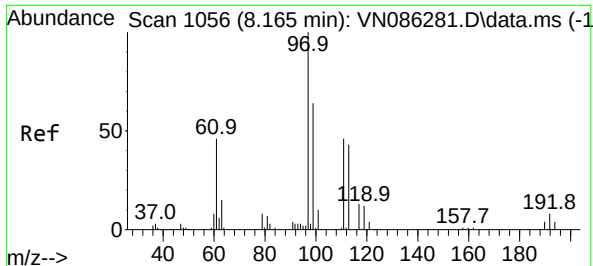
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 56.082 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086401.D

Acq: 28 Apr 2025 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBL01

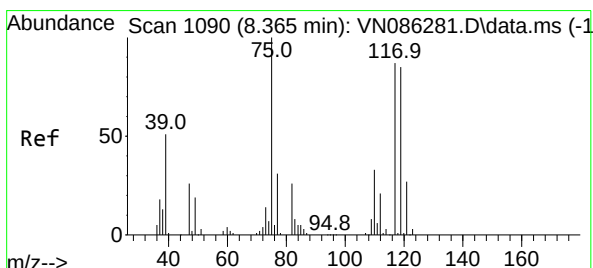
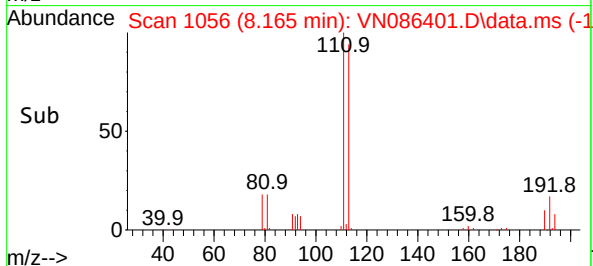
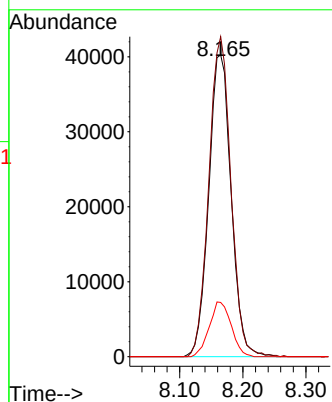
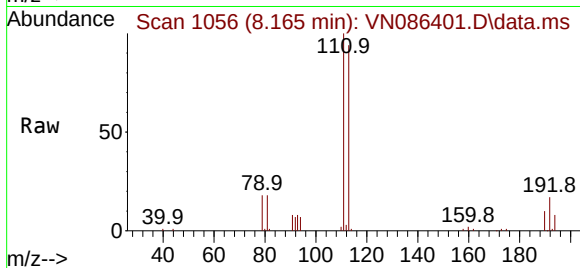
Tgt Ion:113 Resp: 99415

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.0

192 17.7 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.613 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086401.D

Acq: 28 Apr 2025 10:58

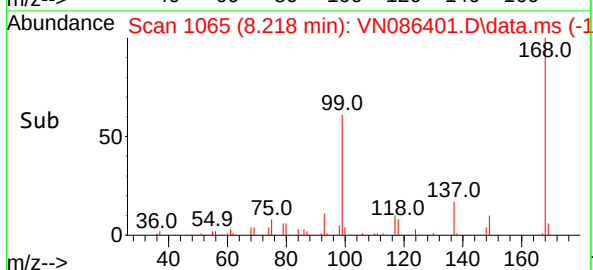
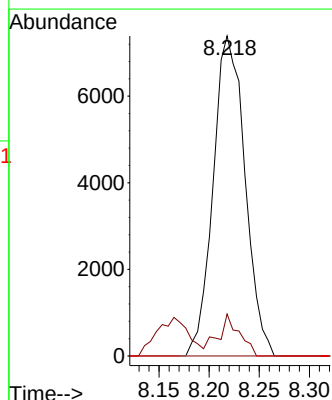
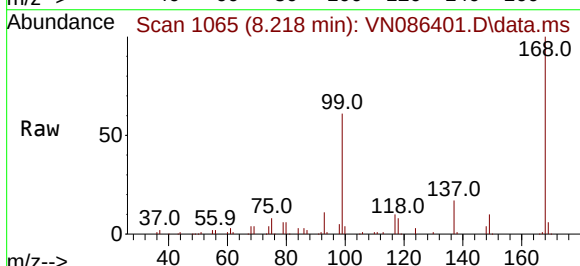
Tgt Ion: 75 Resp: 16334

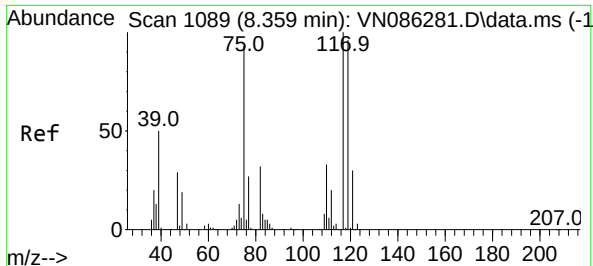
Ion Ratio Lower Upper

75 100

110 8.7 16.8 50.4#

77 0.0 24.9 37.3#

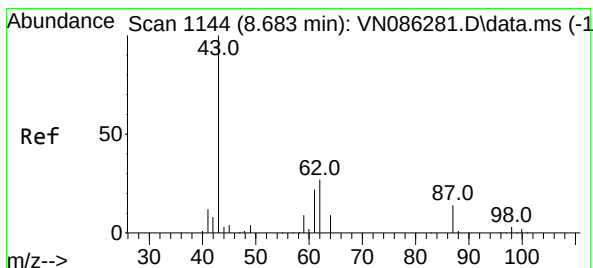
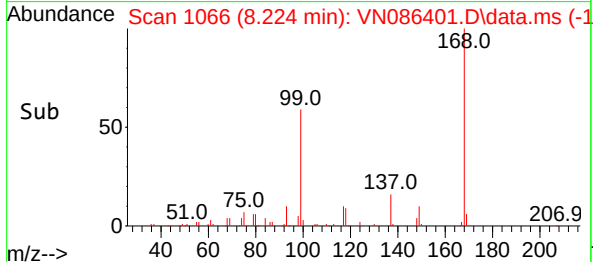
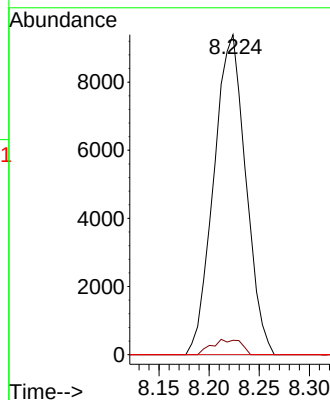
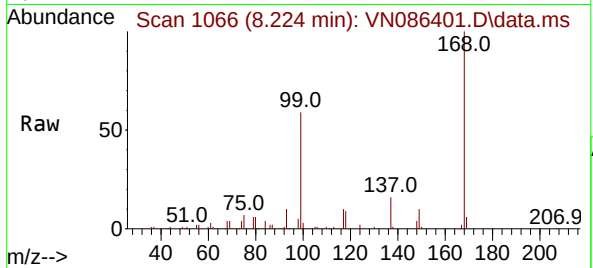




#38
Carbon Tetrachloride
Concen: 6.180 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

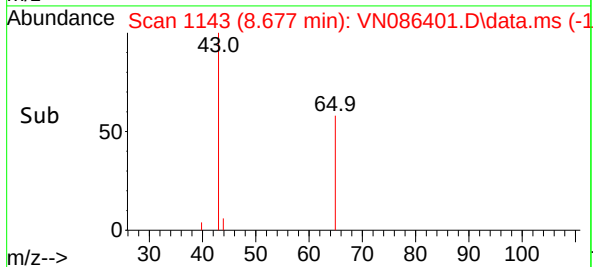
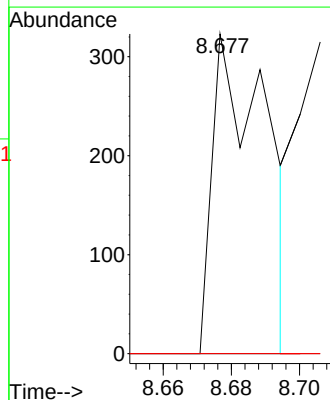
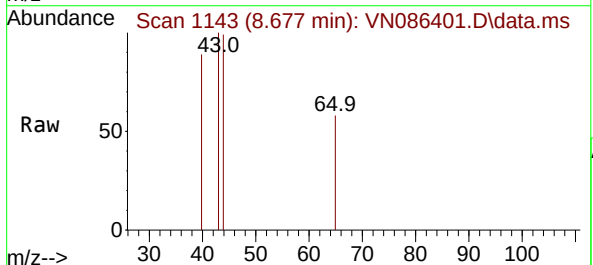
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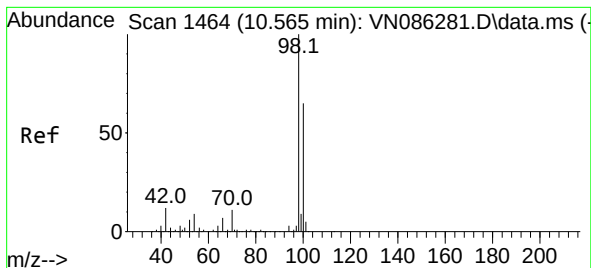
Tgt Ion:117 Resp: 20839
Ion Ratio Lower Upper
117 100
119 4.5 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

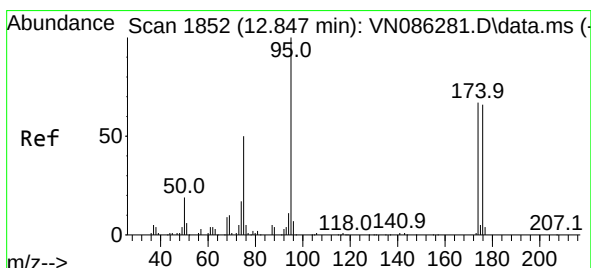
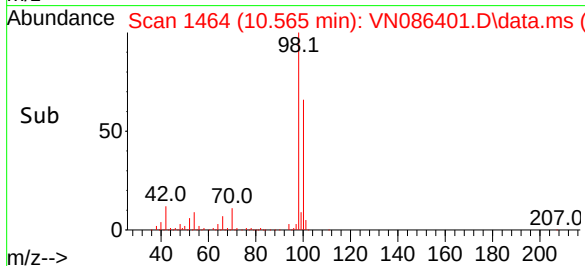
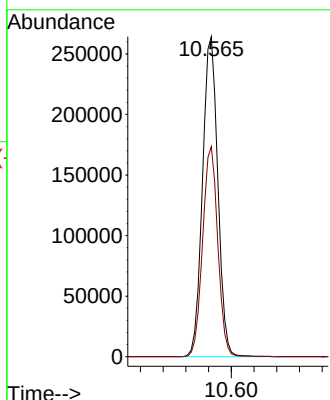
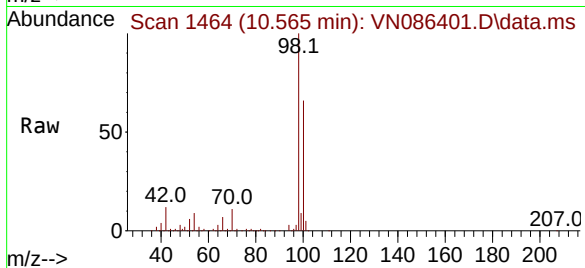




#50
Toluene-d8
Concen: 51.979 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

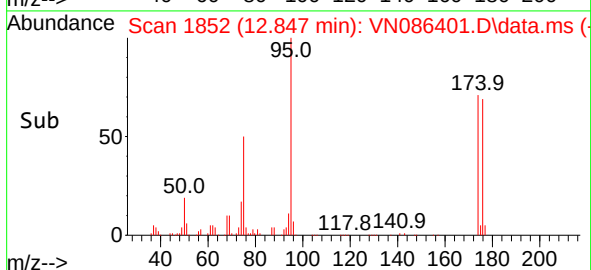
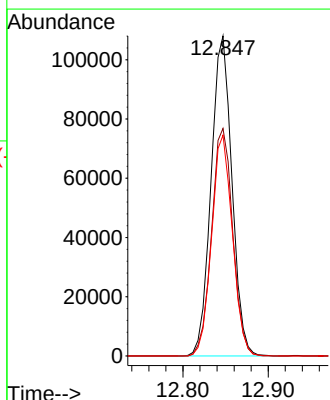
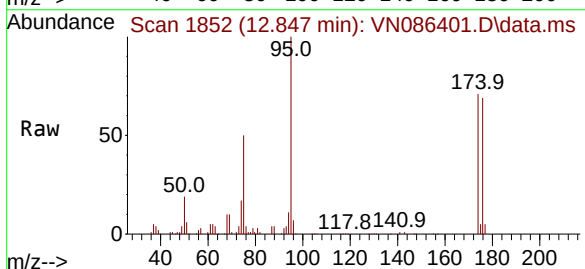
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

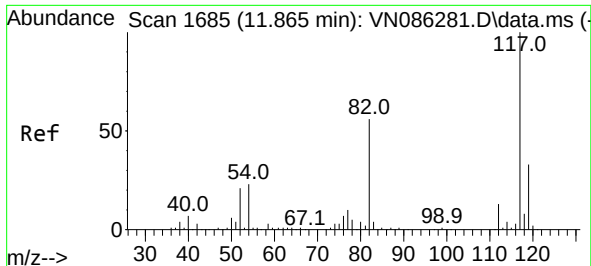
Tgt Ion: 98 Resp: 492452
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 53.075 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

Tgt Ion: 95 Resp: 183407
Ion Ratio Lower Upper
95 100
174 72.2 0.0 133.4
176 68.7 0.0 129.2

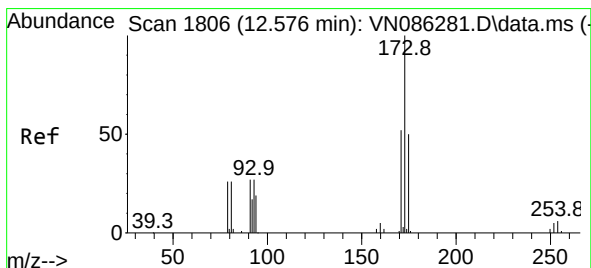
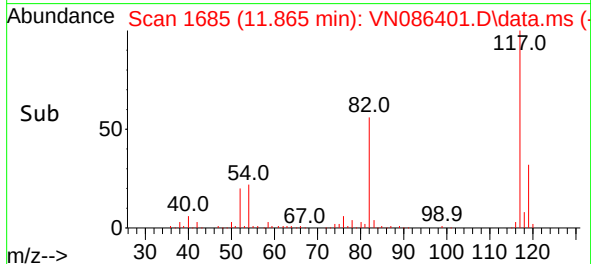
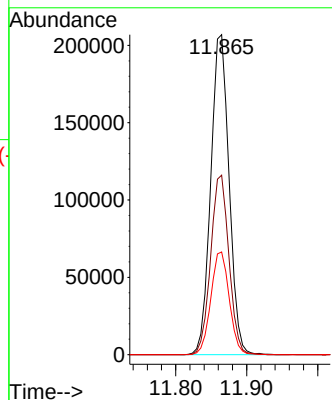
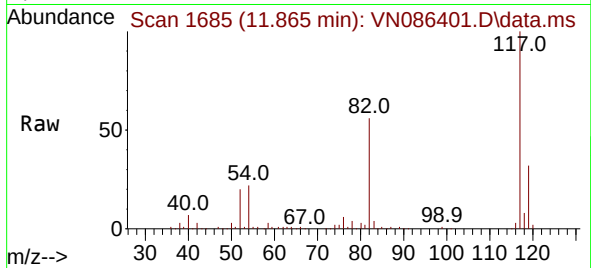




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

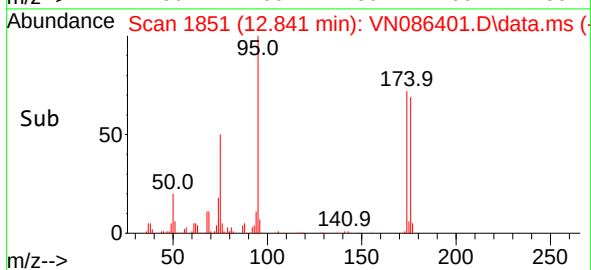
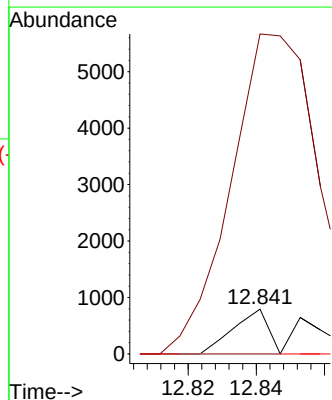
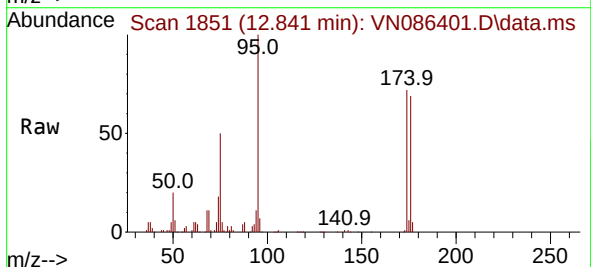
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

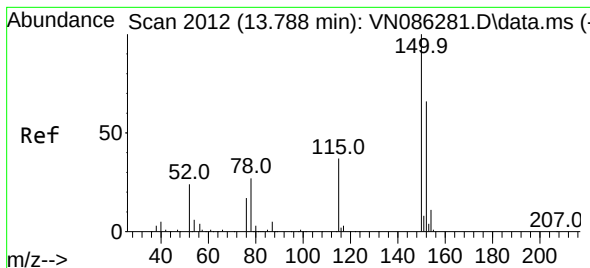
Tgt Ion:117 Resp: 370420
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 32.1 26.4 39.6



#71
Bromoform
Concen: 0.275 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

Tgt Ion:173 Resp: 564
Ion Ratio Lower Upper
173 100
175 1482.4 24.6 73.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN086401.D

Acq: 28 Apr 2025 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBL01

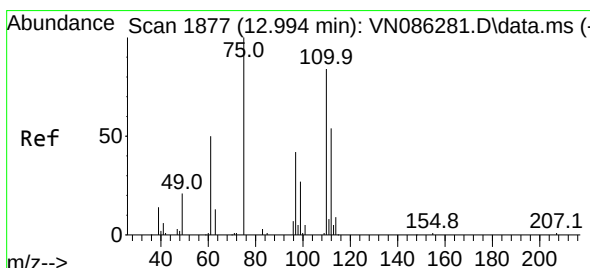
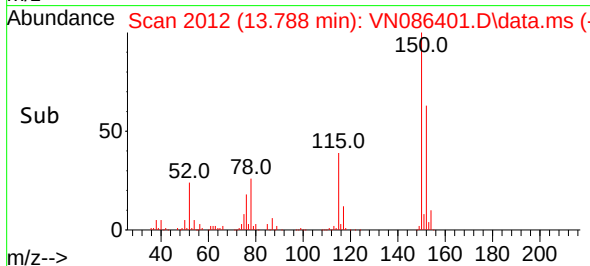
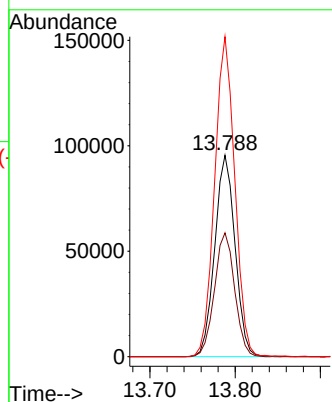
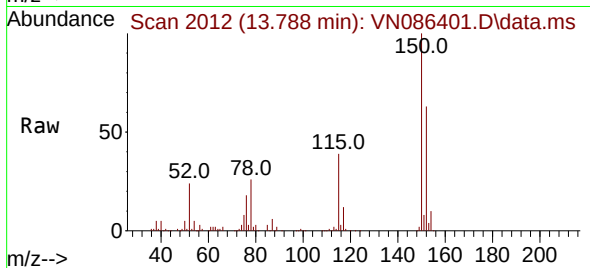
Tgt Ion:152 Resp: 158007

Ion Ratio Lower Upper

152 100

115 61.2 31.9 95.9

150 157.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 25.080 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086401.D

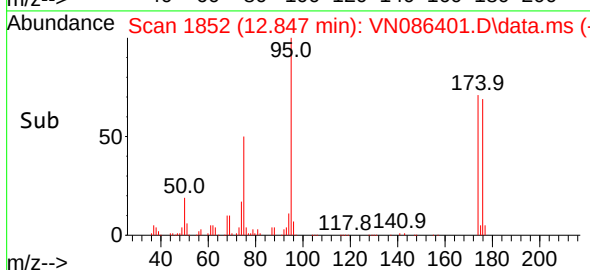
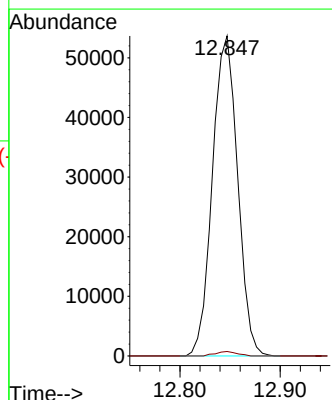
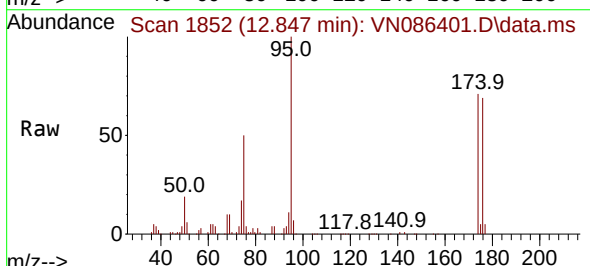
Acq: 28 Apr 2025 10:58

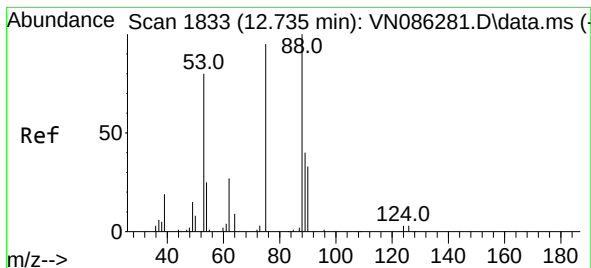
Tgt Ion: 75 Resp: 93516

Ion Ratio Lower Upper

75 100

77 1.2 98.8 296.4#

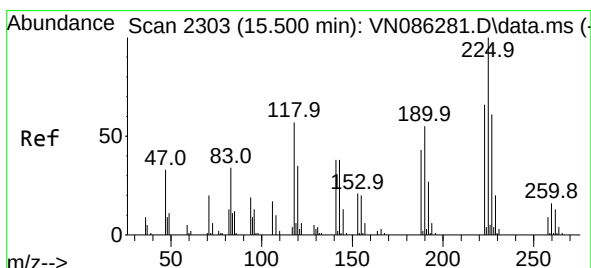
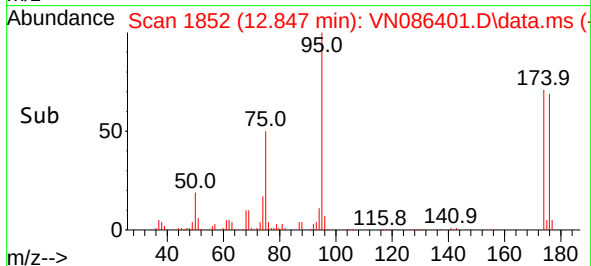
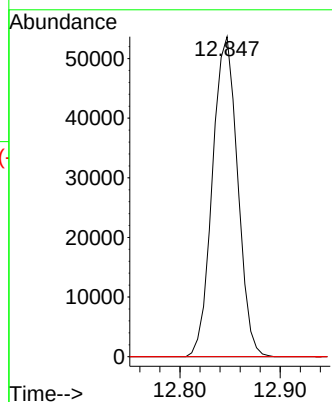
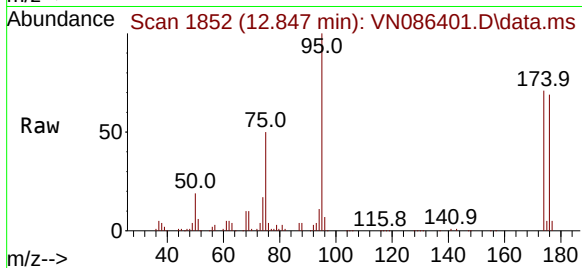




#81
trans-1,4-Dichloro-2-butene
Concen: 60.233 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

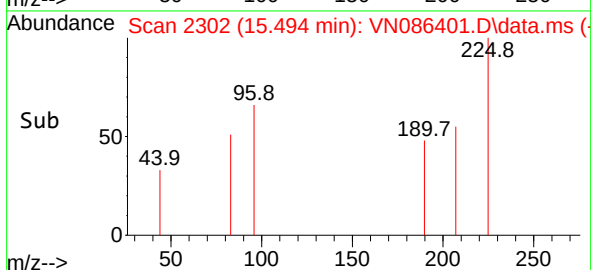
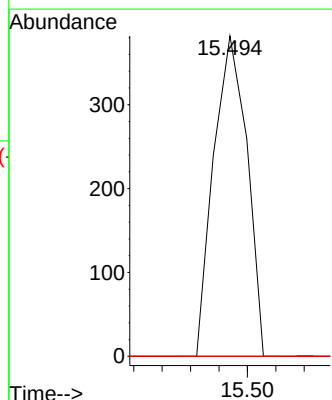
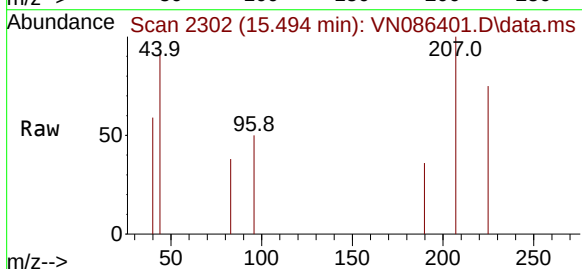
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

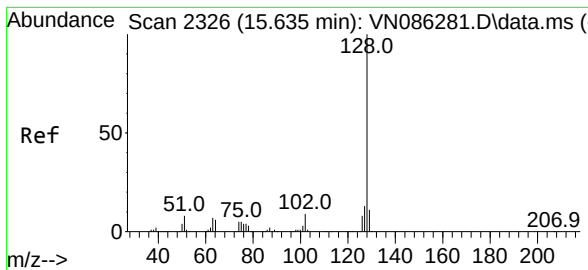
Tgt Ion: 75 Resp: 93516
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#94
Hexachlorobutadiene
Concen: 0.330 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

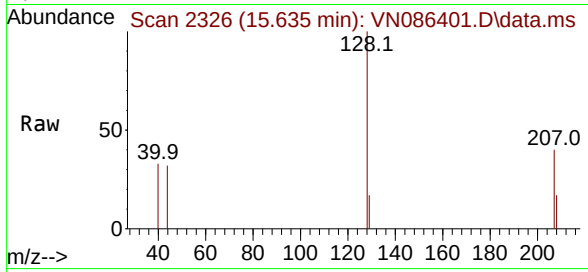
Tgt Ion: 225 Resp: 311
Ion Ratio Lower Upper
225 100
223 0.0 32.8 98.3#
227 0.0 31.4 94.0#





#95
Naphthalene
Concen: 0.242 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086401.D
Acq: 28 Apr 2025 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01



Tgt Ion:	128	Resp:	2142
Ion	Ratio	Lower	Upper
128	100		
127	3.3	10.2	15.4#
129	3.1	8.6	13.0#

