

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120224\
 Data File : VN085064.D
 Acq On : 02 Dec 2024 11:30
 Operator : JC\MD
 Sample : VN1202WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 00:46:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	168665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	291831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	246152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111650	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121063	50.390	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.780%	
35) Dibromofluoromethane	8.159	113	99650	50.635	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.260%	
50) Toluene-d8	10.565	98	331348	46.981	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.960%	
62) 4-Bromofluorobenzene	12.847	95	121374	46.018	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.040%	

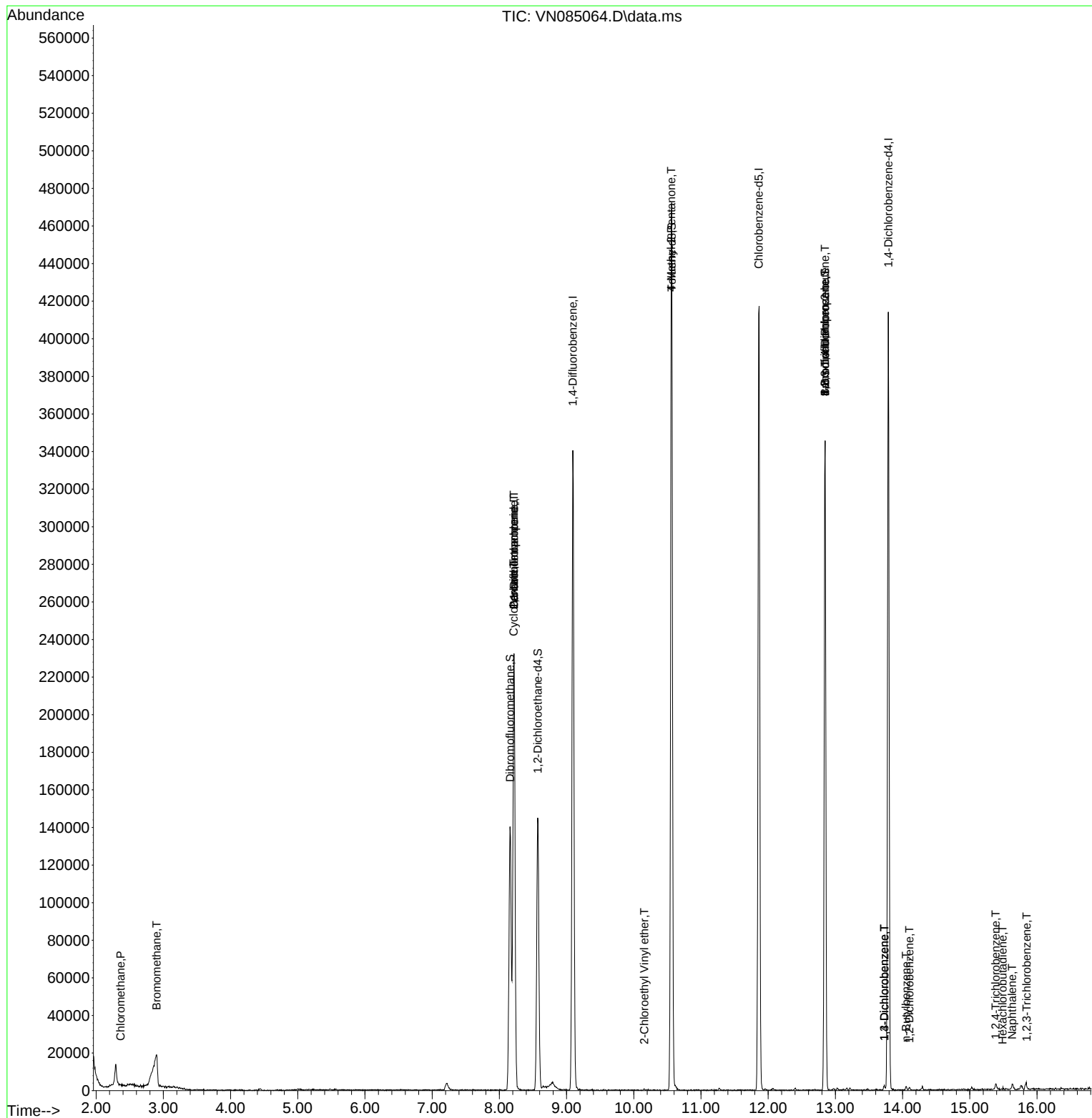
Target Compounds				Qvalue		
3) Chloromethane	2.365	50	476	0.215	ug/l #	40
5) Bromomethane	2.900	94	289	0.259	ug/l	89
18) Methyl Acetate	5.018	43	921	Below Cal	#	50
31) Cyclohexane	8.212	56	3669	1.146	ug/l #	23
36) 1,1-Dichloropropene	8.218	75	13901	5.215	ug/l #	49
38) Carbon Tetrachloride	8.218	117	17694	5.750	ug/l #	15
51) 4-Methyl-2-Pentanone	10.559	43	1415	0.615	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.159	63	474	0.356	ug/l #	46
71) Bromoform	12.847	173	1031	0.707	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62968	31.006	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62968	68.448	ug/l #	10
87) 1,3-Dichlorobenzene	13.729	146	1055	0.252	ug/l	81
88) 1,4-Dichlorobenzene	13.729	146	1055	0.247	ug/l	78
89) n-Butylbenzene	14.053	91	1572	0.267	ug/l	79
91) 1,2-Dichlorobenzene	14.100	146	934	0.233	ug/l #	73
93) 1,2,4-Trichlorobenzene	15.388	180	1405	0.646	ug/l #	86
94) Hexachlorobutadiene	15.488	225	392	0.390	ug/l #	35
95) Naphthalene	15.629	128	3539	0.571	ug/l	95
96) 1,2,3-Trichlorobenzene	15.847	180	1491	0.718	ug/l	95

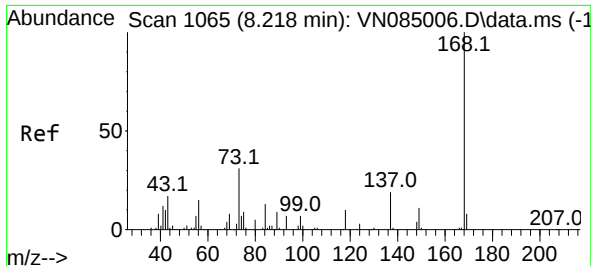
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

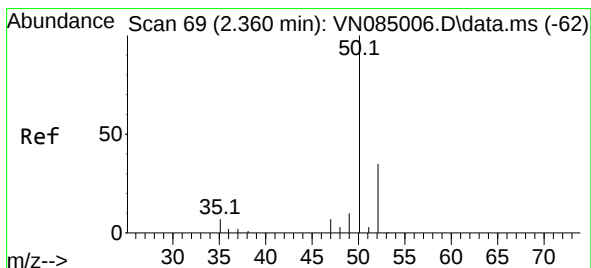
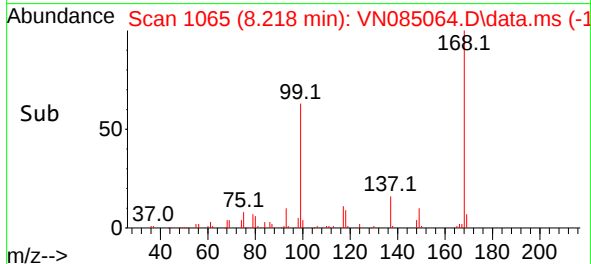
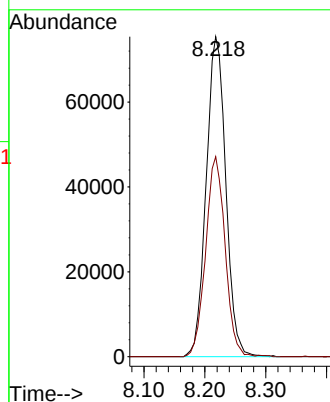
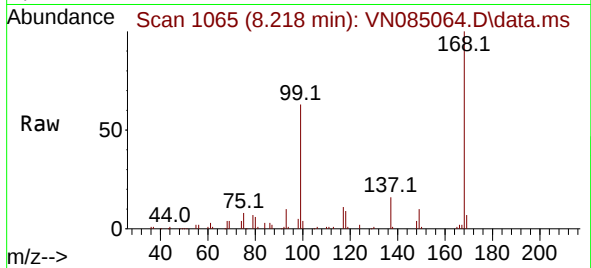




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

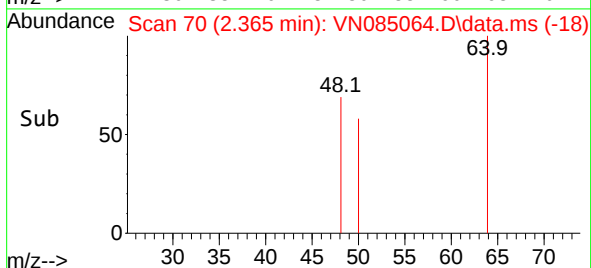
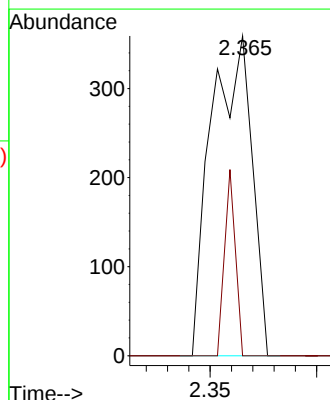
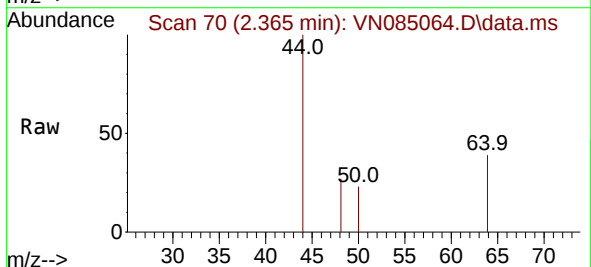
Instrument :
MSVOA_N
ClientSampleId :

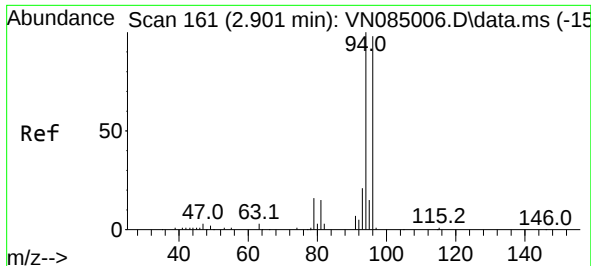
Tgt Ion:168 Resp: 168665
Ion Ratio Lower Upper
168 100
99 62.5 51.2 76.8



#3
Chloromethane
Concen: 0.215 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Tgt Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

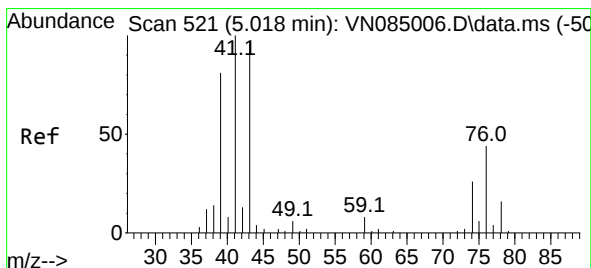
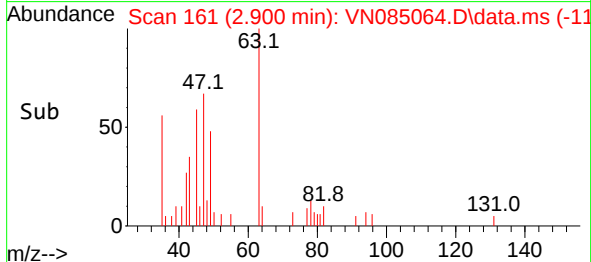
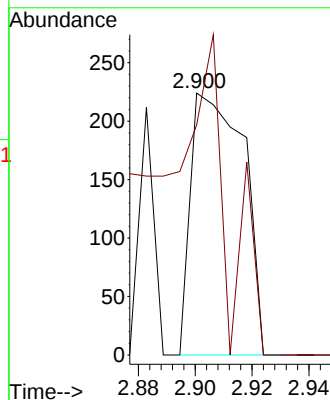
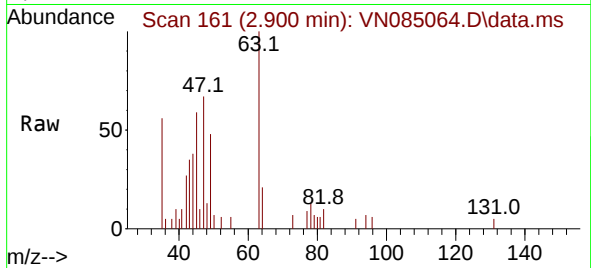




#5
Bromomethane
Concen: 0.259 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

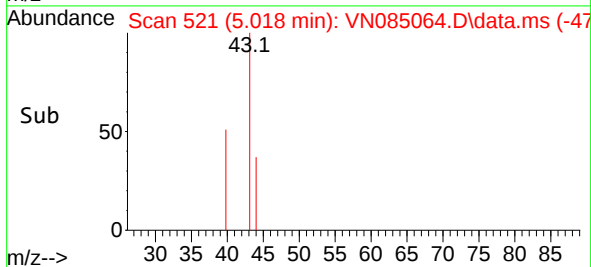
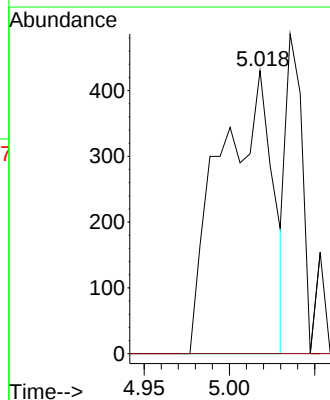
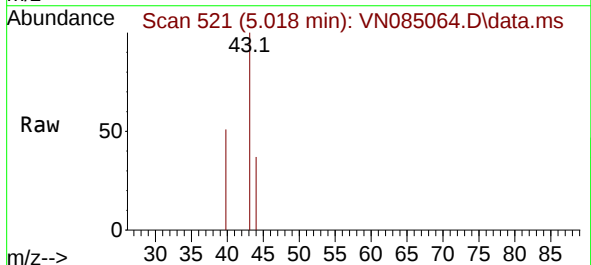
Instrument :
MSVOA_N
ClientSampleId :

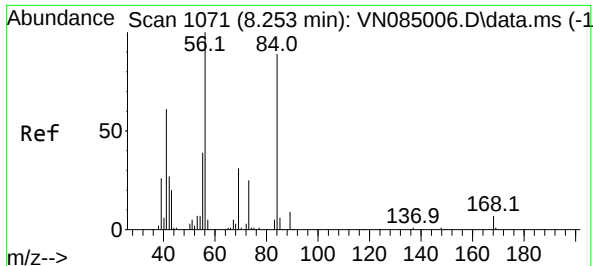
Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 87.9 78.7 118.1



#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

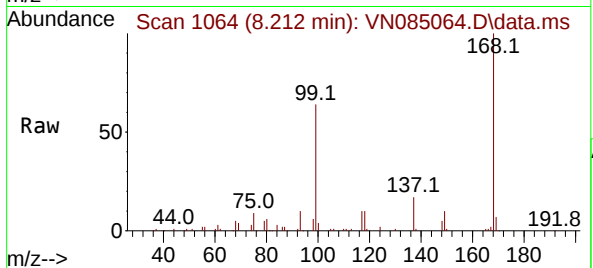
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



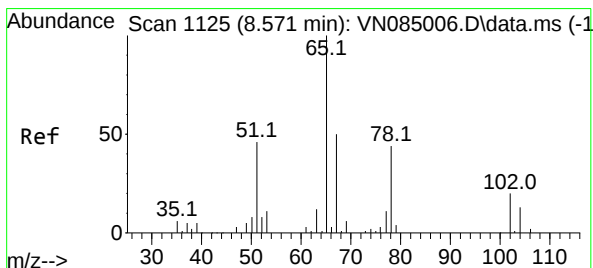
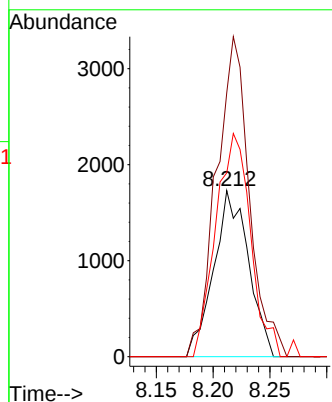
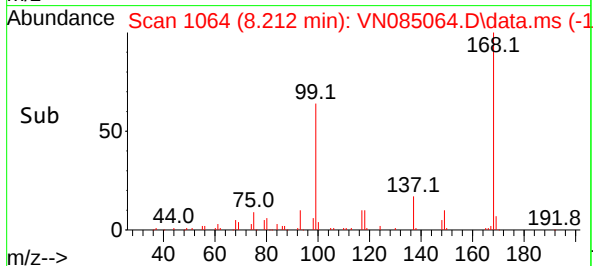


#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Instrument :
MSVOA_N
ClientSampleId :

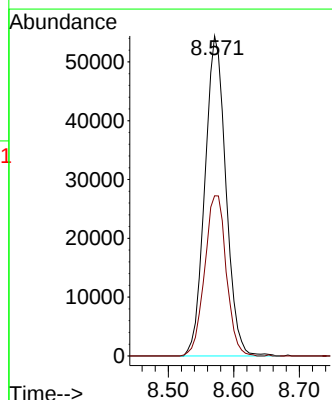
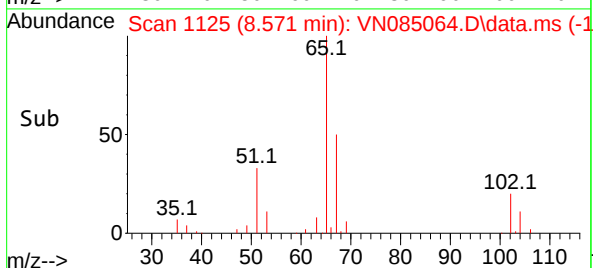
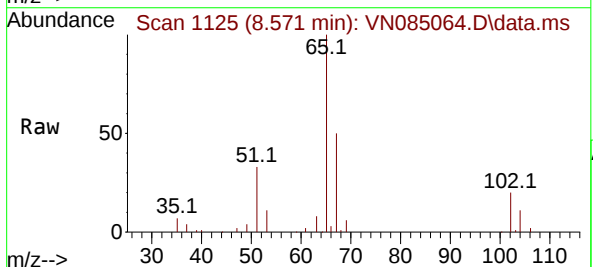


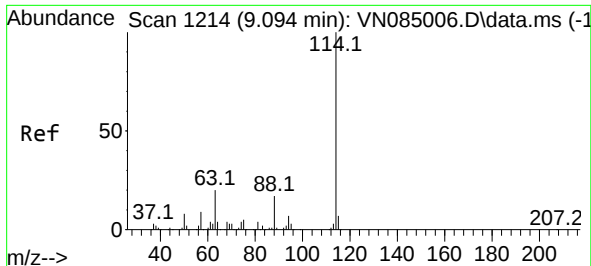
Tgt Ion: 56 Resp: 3669
Ion Ratio Lower Upper
56 100
69 158.9 24.6 36.8#
84 110.6 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 50.390 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Tgt Ion: 65 Resp: 121063
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.000 min

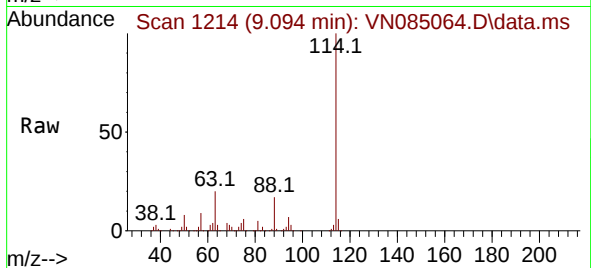
Lab File: VN085064.D

Acq: 02 Dec 2024 11:30

Instrument :

MSVOA_N

ClientSampleId :



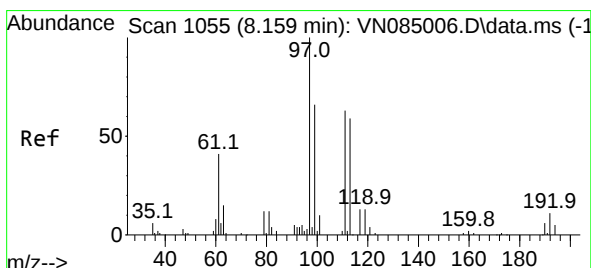
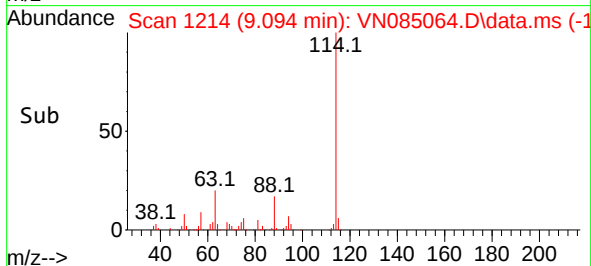
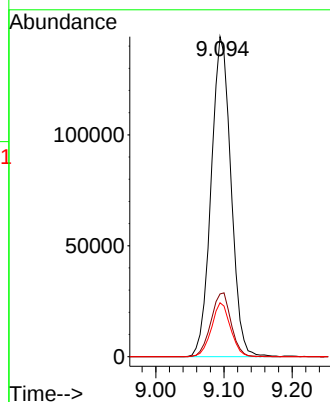
Tgt Ion:114 Resp: 291831

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 16.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.635 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085064.D

Acq: 02 Dec 2024 11:30

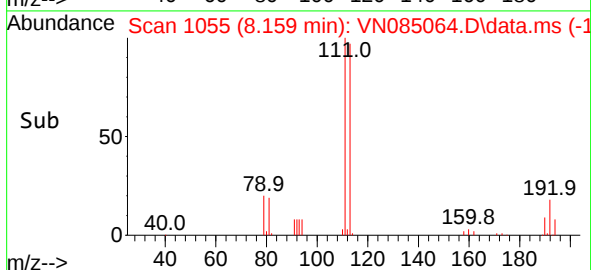
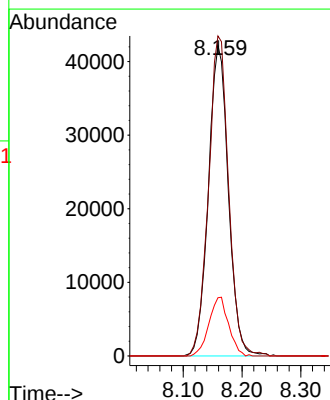
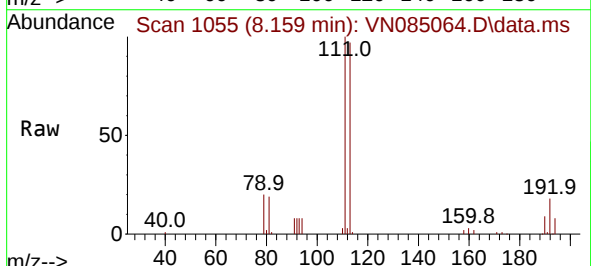
Tgt Ion:113 Resp: 99650

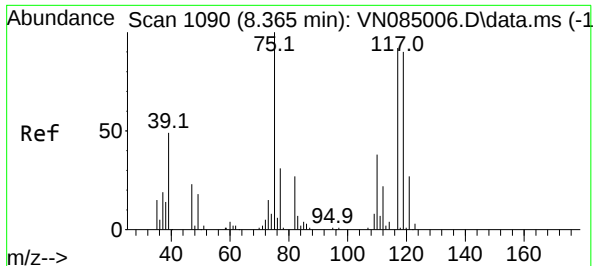
Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 18.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.215 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085064.D

Acq: 02 Dec 2024 11:30

Instrument :

MSVOA_N

ClientSampleId :

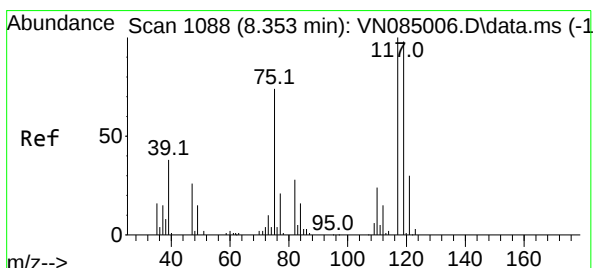
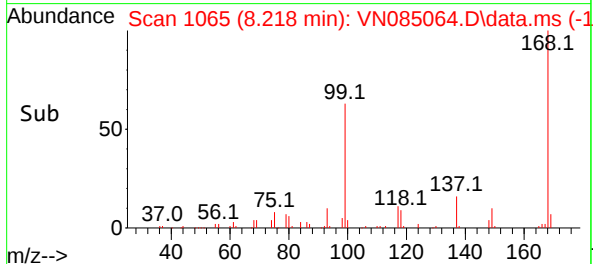
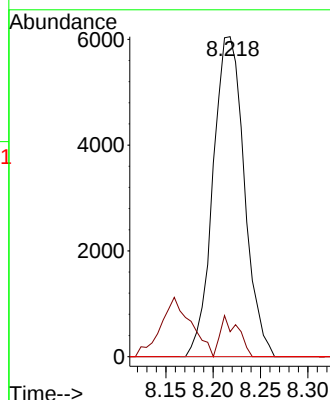
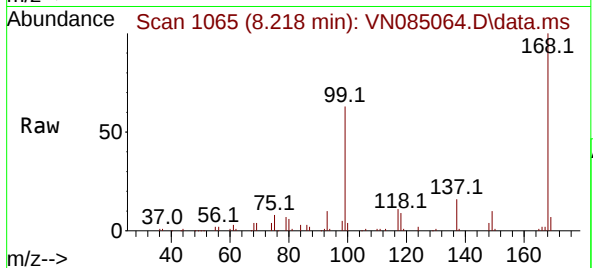
Tgt Ion: 75 Resp: 13901

Ion Ratio Lower Upper

75 100

110 7.3 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.750 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085064.D

Acq: 02 Dec 2024 11:30

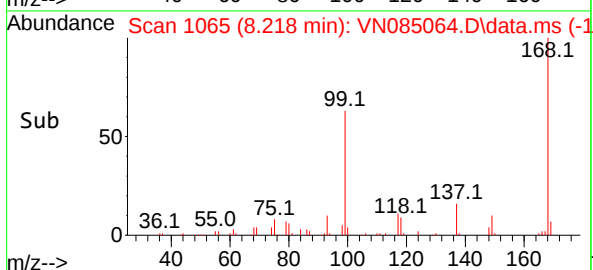
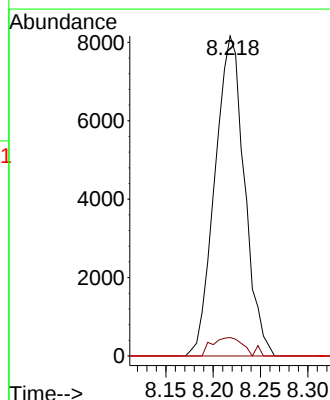
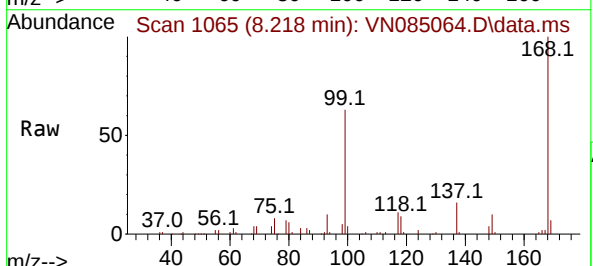
Tgt Ion: 117 Resp: 17694

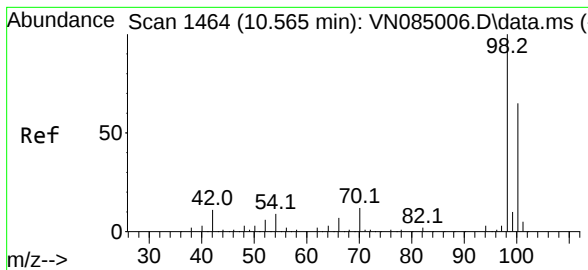
Ion Ratio Lower Upper

117 100

119 5.8 78.6 117.8#

121 0.0 24.2 36.2#

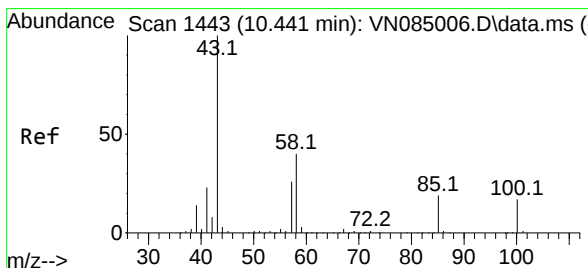
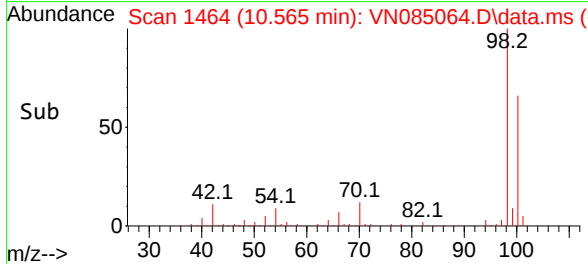
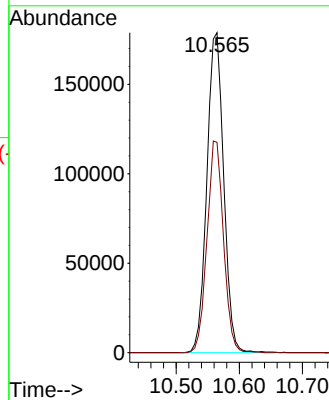
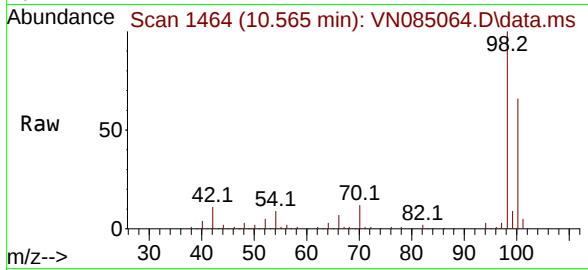




#50
Toluene-d8
Concen: 46.981 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

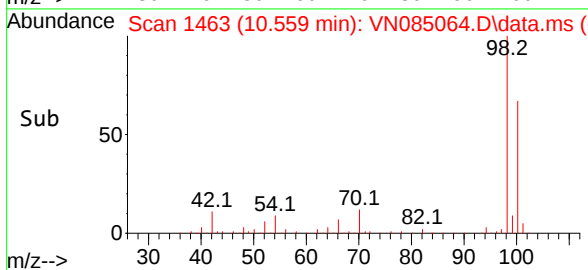
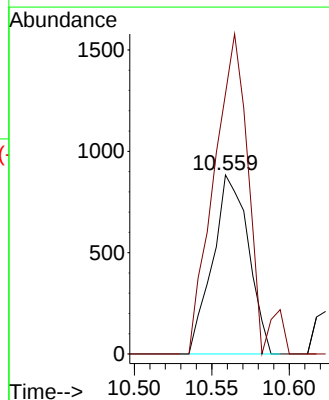
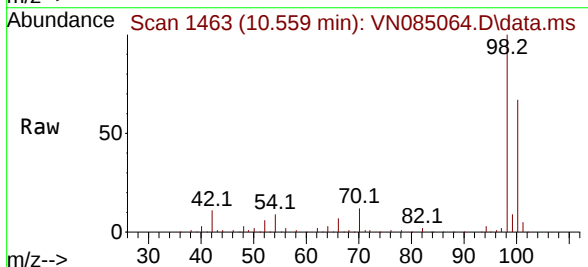
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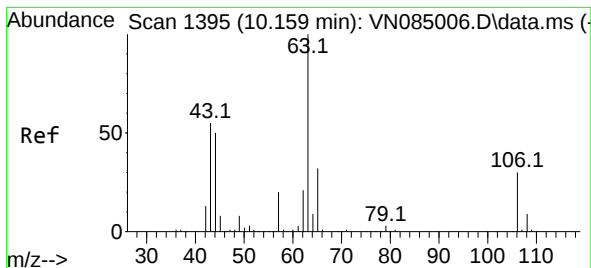
Tgt Ion: 98 Resp: 331348
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.615 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.117 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 176.0 32.1 48.1#

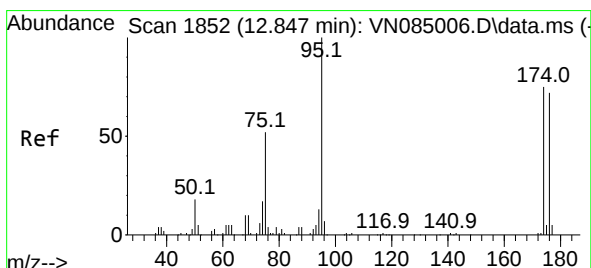
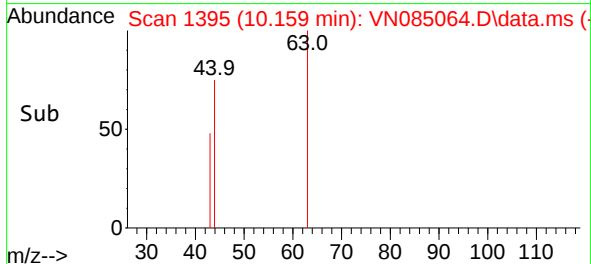
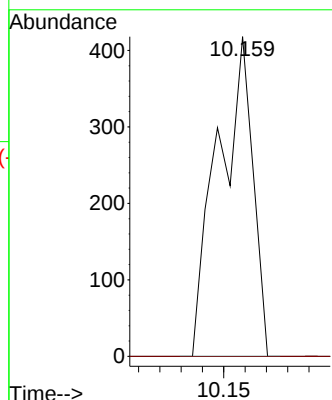
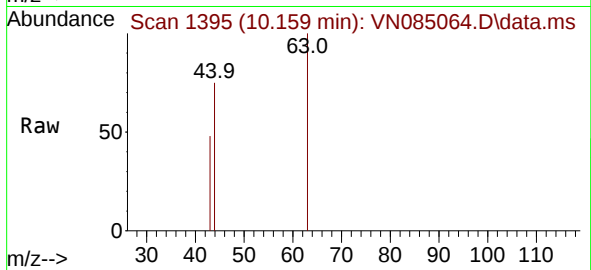




#58
2-Chloroethyl Vinyl ether
Concen: 0.356 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

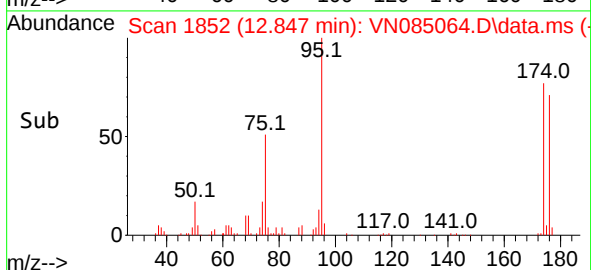
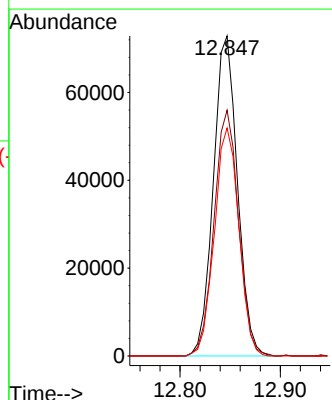
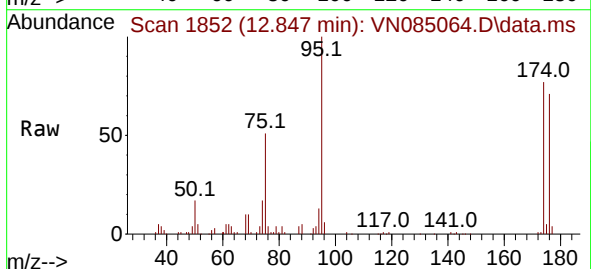
Instrument :
MSVOA_N
ClientSampleId :

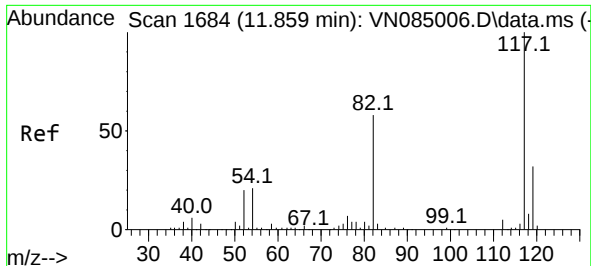
Tgt Ion: 63 Resp: 474
Ion Ratio Lower Upper
63 100
106 0.0 23.0 34.6#



#62
4-Bromofluorobenzene
Concen: 46.018 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

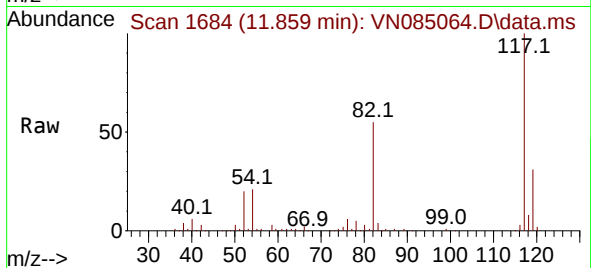
Tgt Ion: 95 Resp: 121374
Ion Ratio Lower Upper
95 100
174 78.0 0.0 146.6
176 72.5 0.0 141.8



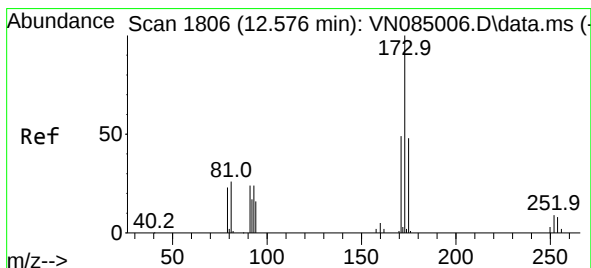
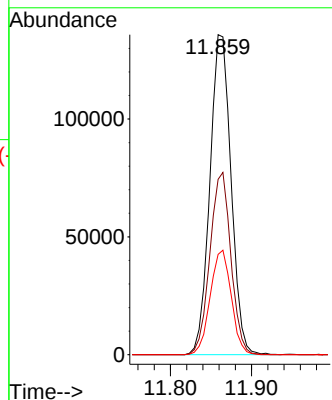
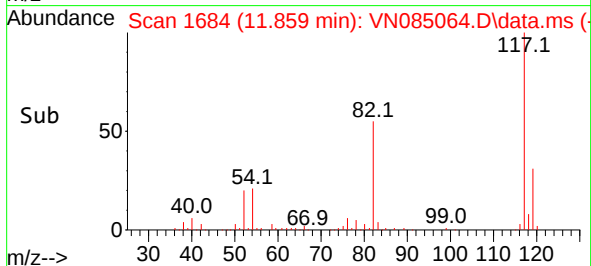


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Instrument :
MSVOA_N
ClientSampleId :

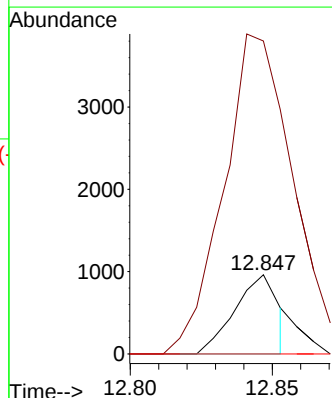
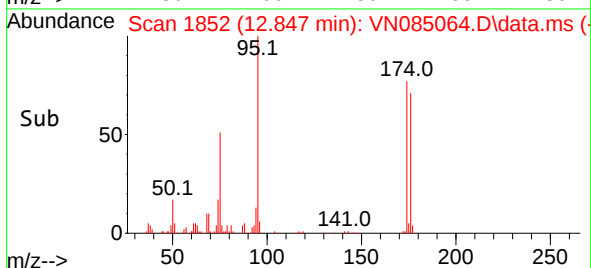
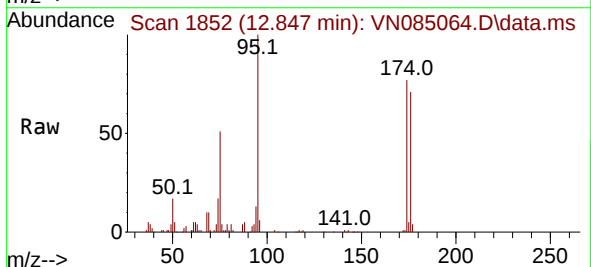


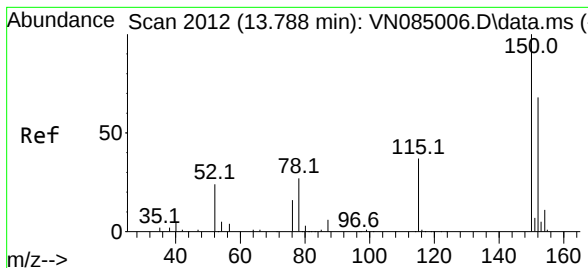
Tgt Ion:117 Resp: 246152
Ion Ratio Lower Upper
117 100
82 54.8 46.0 69.0
119 31.4 25.6 38.4



#71
Bromoform
Concen: 0.707 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Tgt Ion:173 Resp: 1031
Ion Ratio Lower Upper
173 100
175 520.7 23.8 71.2#
254 0.0 0.0 0.0

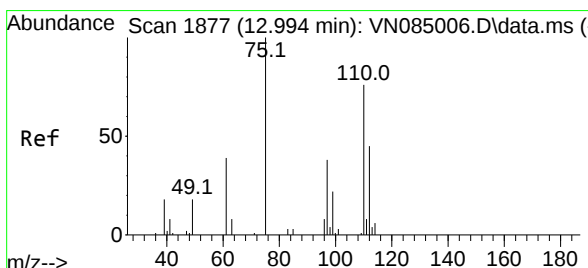
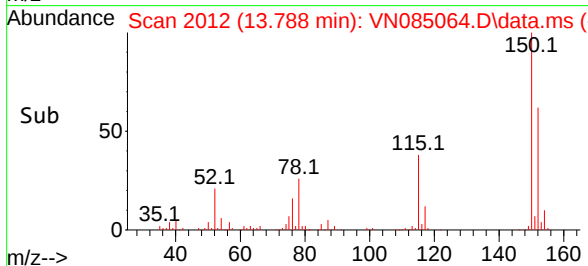
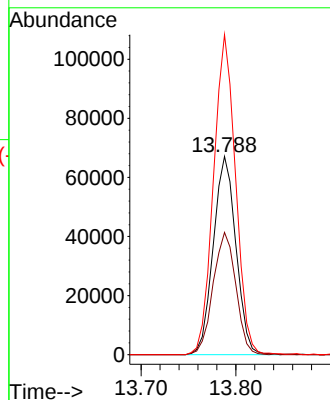
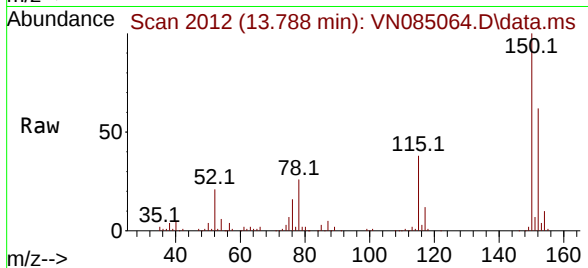




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085064.D
 Acq: 02 Dec 2024 11:30

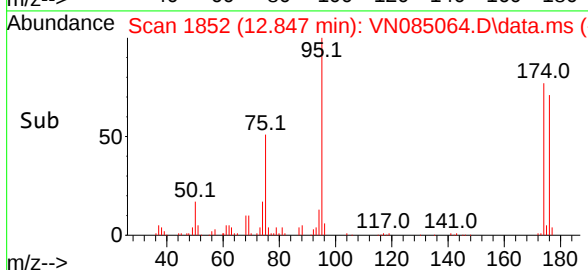
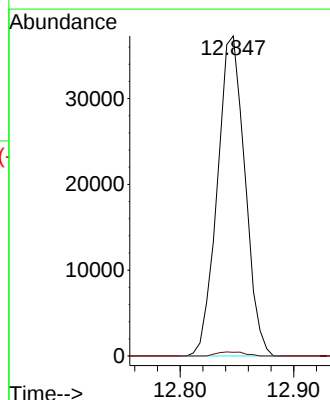
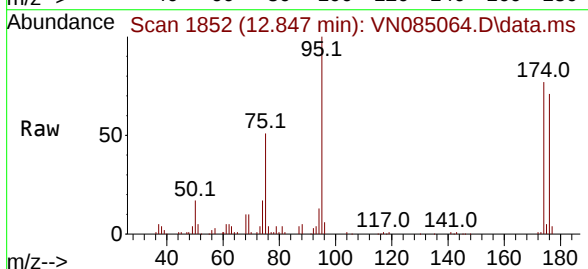
Instrument :
 MSVOA_N
 ClientSampleId :

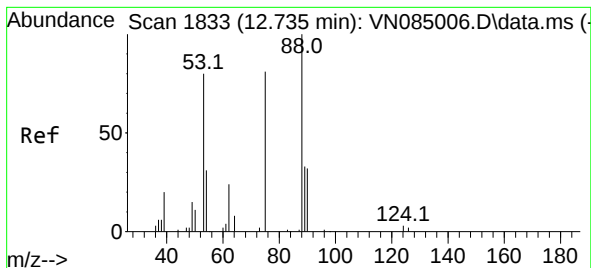
Tgt Ion:152 Resp: 111650
 Ion Ratio Lower Upper
 152 100
 115 61.9 31.7 95.1
 150 157.2 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 31.006 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN085064.D
 Acq: 02 Dec 2024 11:30

Tgt Ion: 75 Resp: 62968
 Ion Ratio Lower Upper
 75 100
 77 1.3 109.1 327.4#

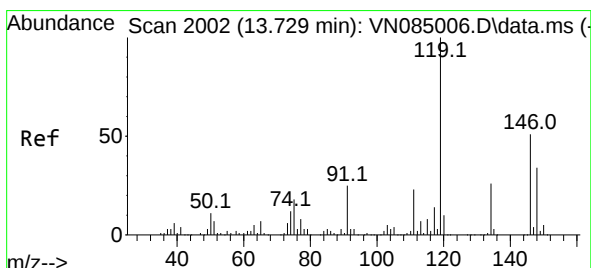
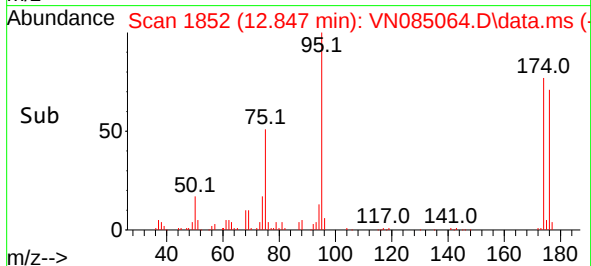
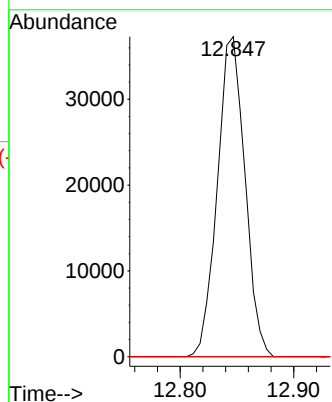
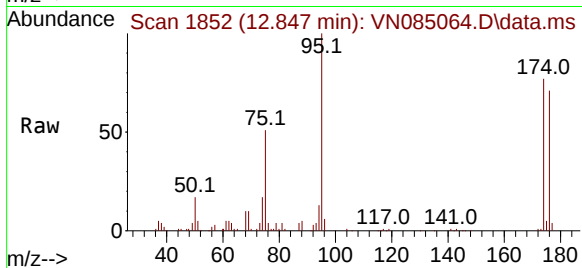




#81
trans-1,4-Dichloro-2-butene
Concen: 68.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

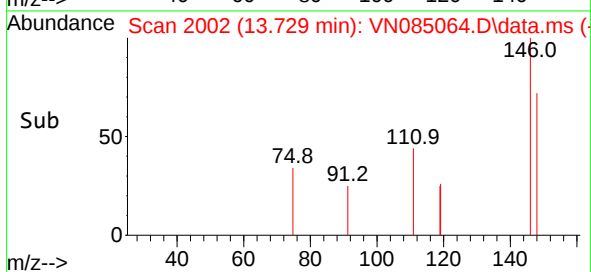
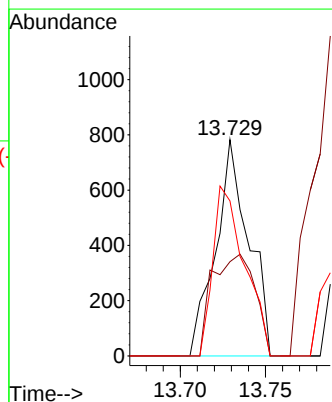
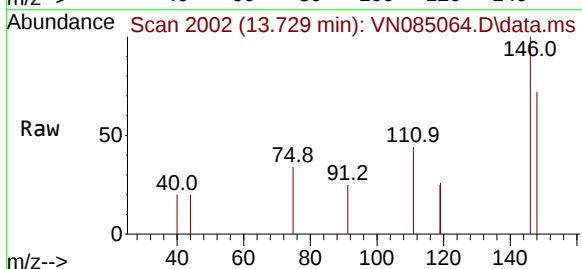
Instrument :
MSVOA_N
ClientSampleId :

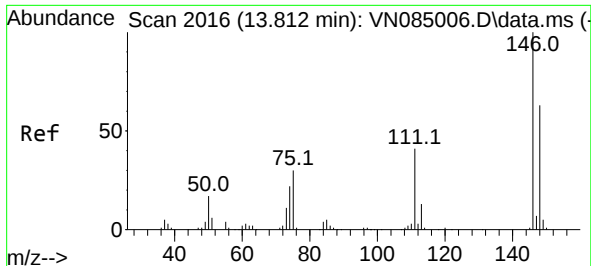
Tgt Ion: 75 Resp: 62968
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.252 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

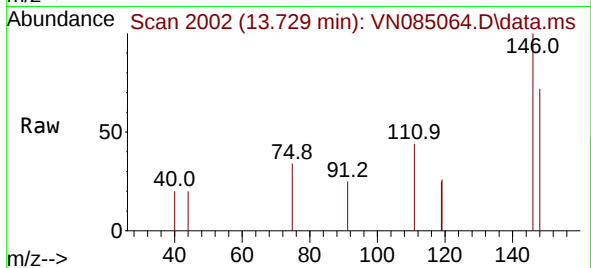
Tgt Ion: 146 Resp: 1055
Ion Ratio Lower Upper
146 100
111 60.4 21.6 65.0
148 75.5 32.2 96.6



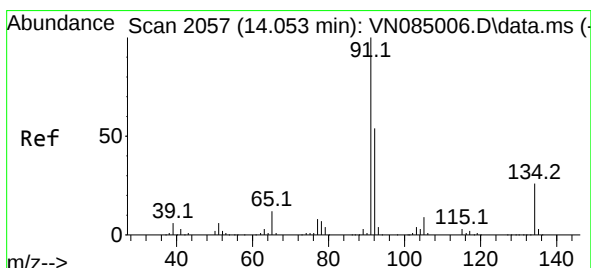
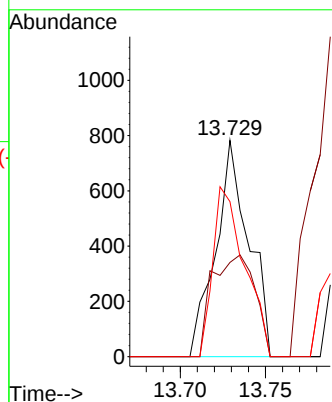
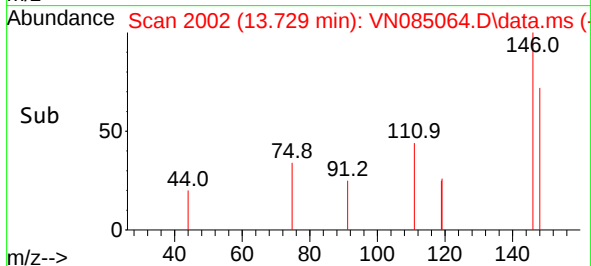


#88
1,4-Dichlorobenzene
Concen: 0.247 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.083 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Instrument :
MSVOA_N
ClientSampleId :

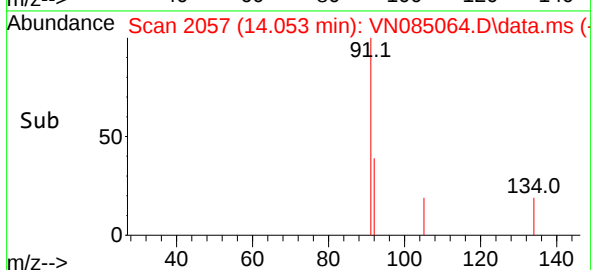
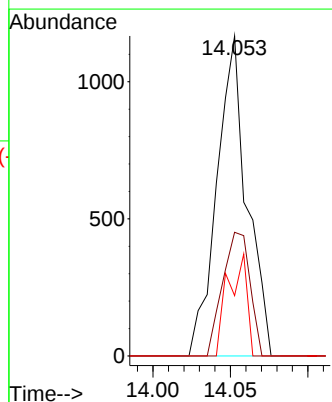
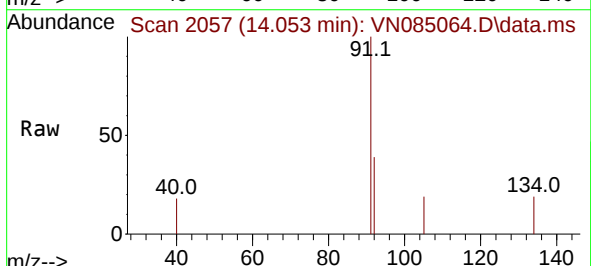


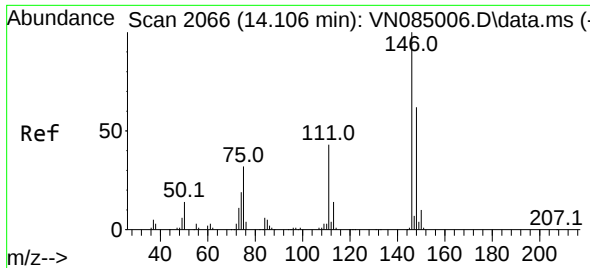
Tgt Ion:146 Resp: 1055
Ion Ratio Lower Upper
146 100
111 60.4 20.9 62.8
148 75.5 31.3 93.9



#89
n-Butylbenzene
Concen: 0.267 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Tgt Ion: 91 Resp: 1572
Ion Ratio Lower Upper
91 100
92 35.1 26.8 80.3
134 20.0 12.8 38.4

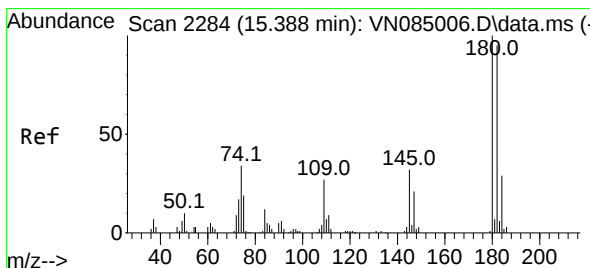
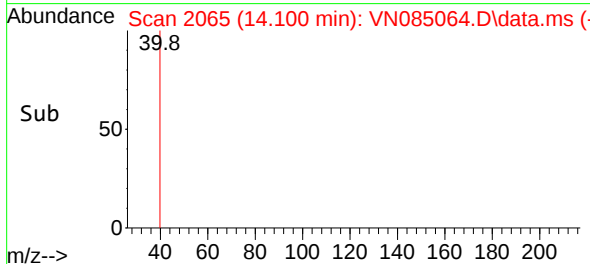
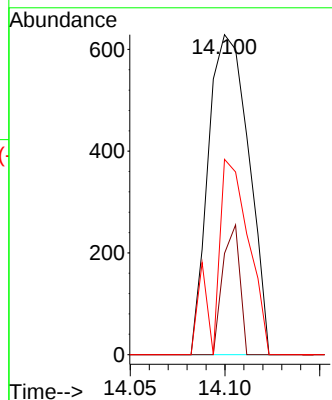
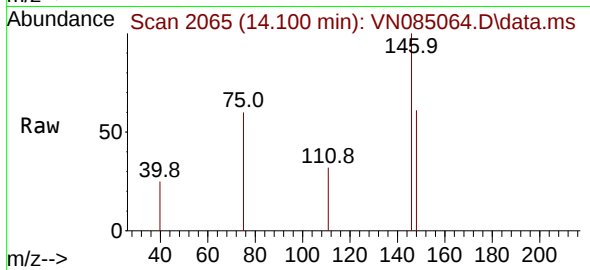




#91
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

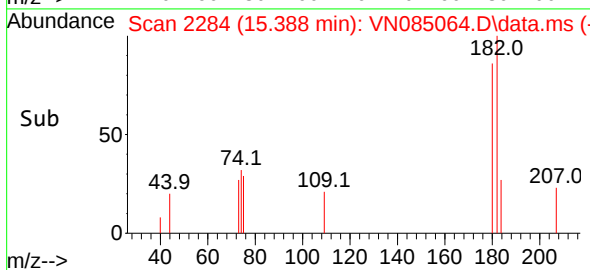
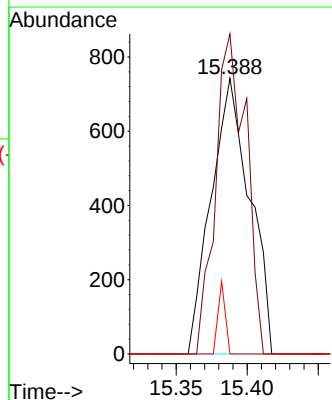
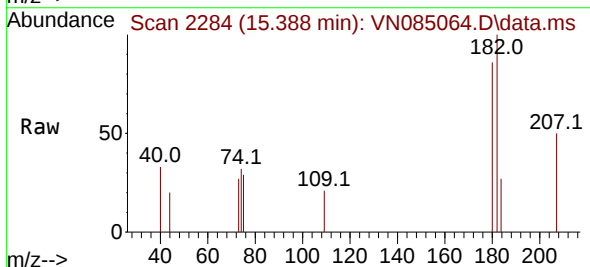
Instrument :
MSVOA_N
ClientSampleId :

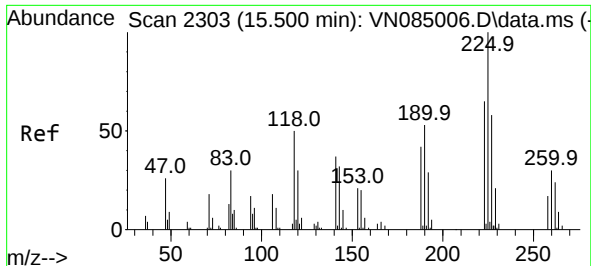
Tgt Ion:146 Resp: 934
Ion Ratio Lower Upper
146 100
111 17.1 21.9 65.8#
148 49.6 31.1 93.2



#93
1,2,4-Trichlorobenzene
Concen: 0.646 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

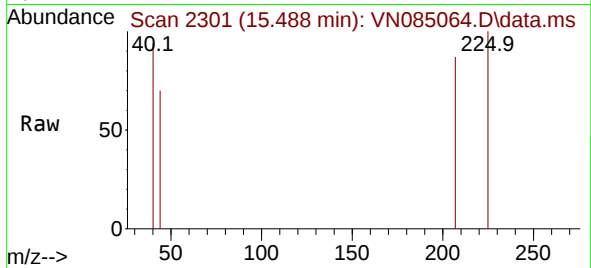
Tgt Ion:180 Resp: 1405
Ion Ratio Lower Upper
180 100
182 91.7 46.9 140.8
145 4.9 16.3 48.8#



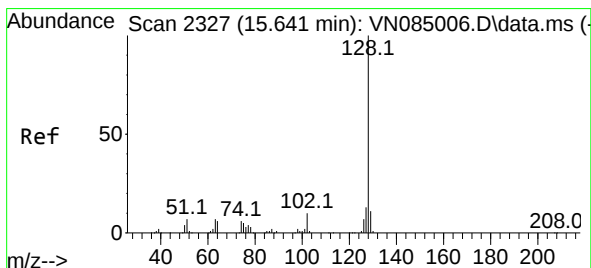
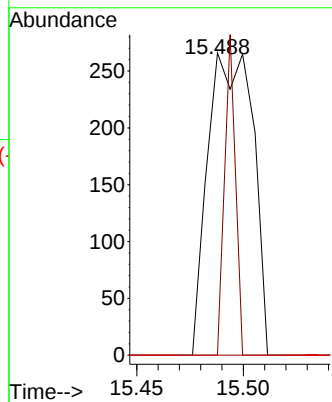
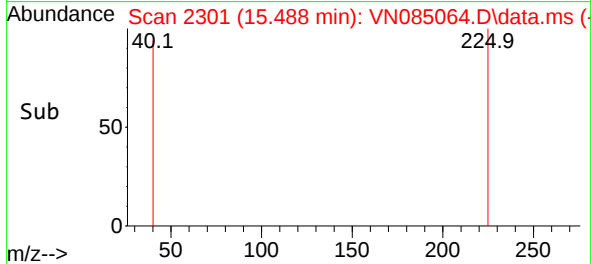


#94
Hexachlorobutadiene
Concen: 0.390 ug/l
RT: 15.488 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

Instrument :
MSVOA_N
ClientSampleId :

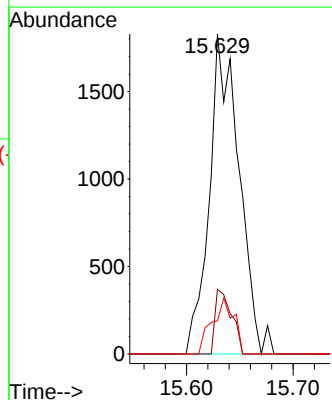
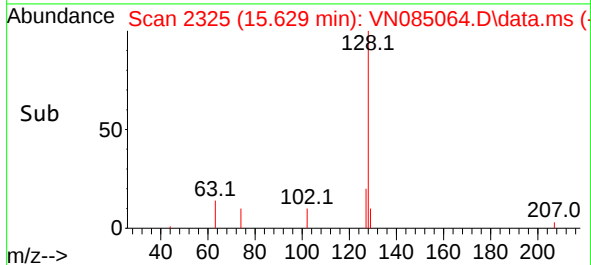
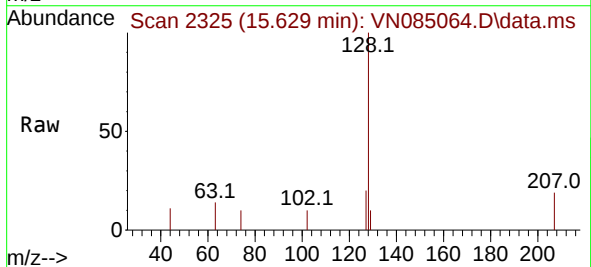


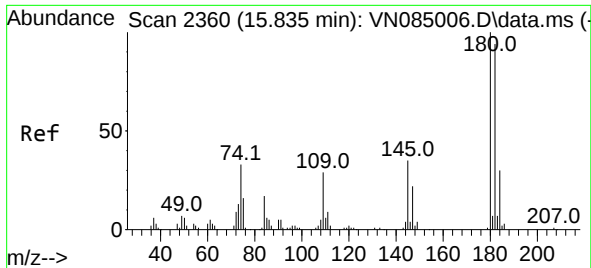
Tgt Ion:225 Resp: 392
Ion Ratio Lower Upper
225 100
223 25.3 30.9 92.8#
227 0.0 31.5 94.5#



#95
Naphthalene
Concen: 0.571 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. -0.012 min
Lab File: VN085064.D
Acq: 02 Dec 2024 11:30

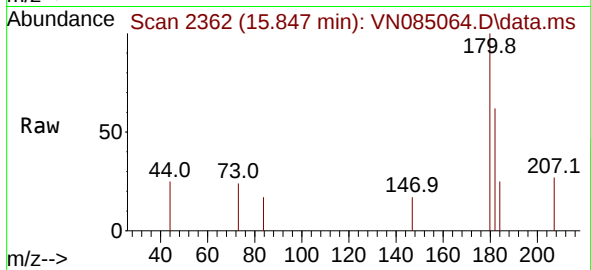
Tgt Ion:128 Resp: 3539
Ion Ratio Lower Upper
128 100
127 11.2 10.6 16.0
129 12.7 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.718 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN085064.D
 Acq: 02 Dec 2024 11:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1491
Ion	Ratio	Lower	Upper
180	100		
182	90.9	46.4	139.2
145	27.6	17.3	52.0

