

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086066.D
 Acq On : 24 Mar 2025 12:38
 Operator : JC\MD
 Sample : VN0324MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBL01

Quant Time: Mar 25 01:20:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

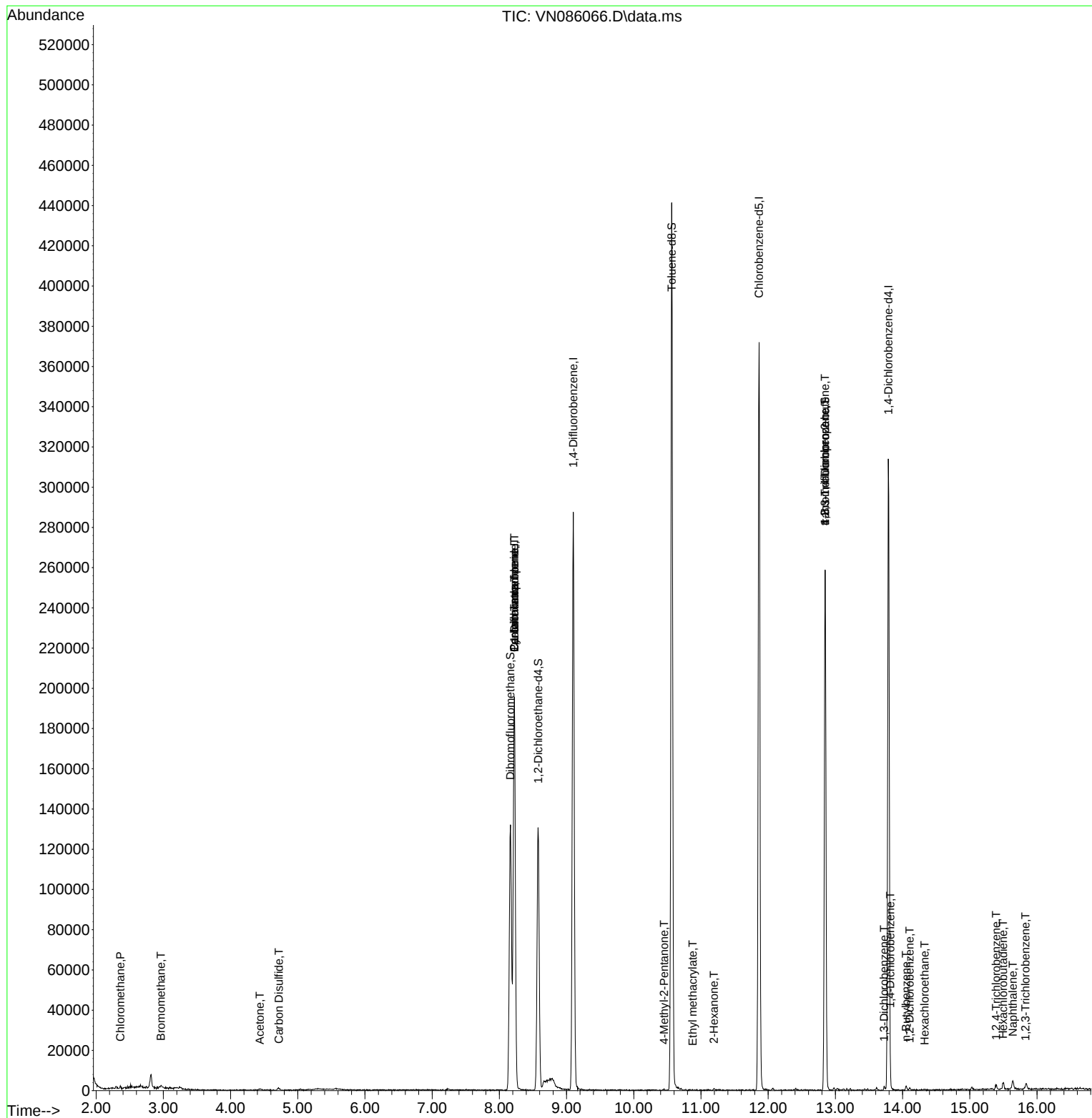
Internal Standards						
1) Pentafluorobenzene	8.224	168	141819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	90093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	110982	57.149	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.300%			
35) Dibromofluoromethane	8.165	113	95862	55.075	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.160%			
50) Toluene-d8	10.565	98	307439	48.668	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.847	95	90718	40.268	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 80.540%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1117	0.678	ug/l	94
5) Bromomethane	2.965	94	733	0.639	ug/l #	81
16) Acetone	4.436	43	1138	1.918	ug/l #	38
17) Carbon Disulfide	4.718	76	1933	0.405	ug/l #	74
31) Cyclohexane	8.224	56	2684	1.109	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10884	4.749	ug/l #	48
38) Carbon Tetrachloride	8.224	117	14675	4.870	ug/l #	15
51) 4-Methyl-2-Pentanone	10.453	43	389	0.211	ug/l #	30
56) Ethyl methacrylate	10.876	69	65	0.218	ug/l #	33
59) 2-Hexanone	11.194	43	762	0.566	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	44252	21.939	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	44252	58.004	ug/l #	16
87) 1,3-Dichlorobenzene	13.723	146	939	0.304	ug/l #	66
88) 1,4-Dichlorobenzene	13.817	146	1059	0.326	ug/l #	59
89) n-Butylbenzene	14.053	91	1810	0.453	ug/l	80
90) Hexachloroethane	14.329	117	243	0.215	ug/l #	36
91) 1,2-Dichlorobenzene	14.106	146	673	0.219	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	1230	0.796	ug/l #	78
94) Hexachlorobutadiene	15.494	225	1068	1.191	ug/l	89
95) Naphthalene	15.641	128	5369	1.200	ug/l	98
96) 1,2,3-Trichlorobenzene	15.829	180	1671	1.139	ug/l	88

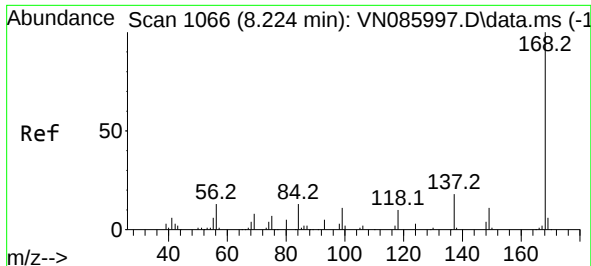
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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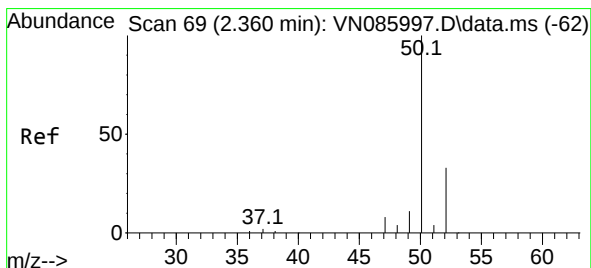
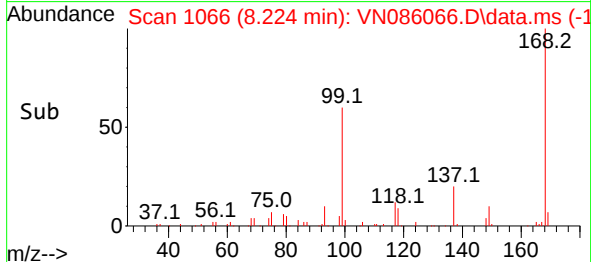
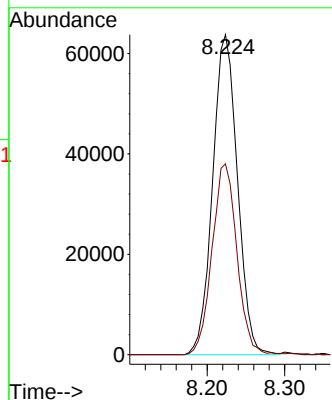
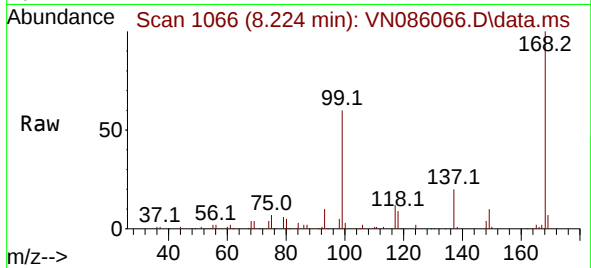




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

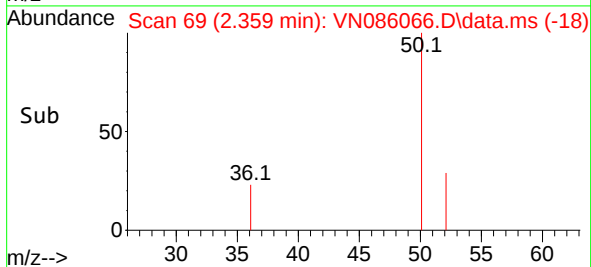
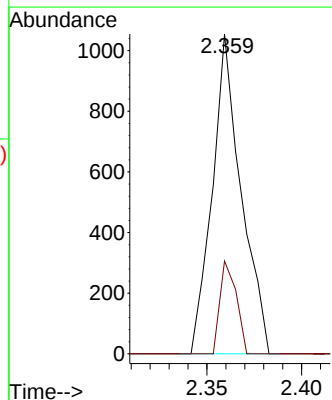
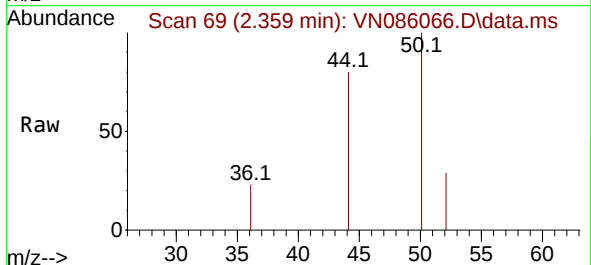
Instrument :
MSVOA_N
ClientSampleId :
VN0324MBL01

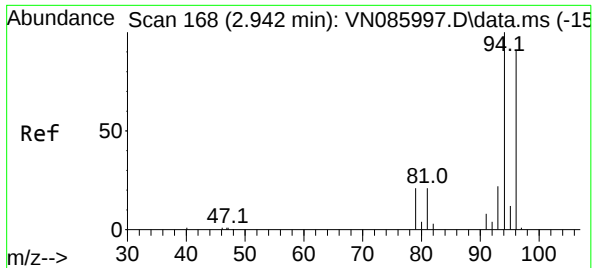
Tgt Ion:168 Resp: 141819
Ion Ratio Lower Upper
168 100
99 59.7 49.4 74.2



#3
Chloromethane
Concen: 0.678 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

Tgt Ion: 50 Resp: 1117
Ion Ratio Lower Upper
50 100
52 29.0 26.0 39.0





#5

Bromomethane

Concen: 0.639 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

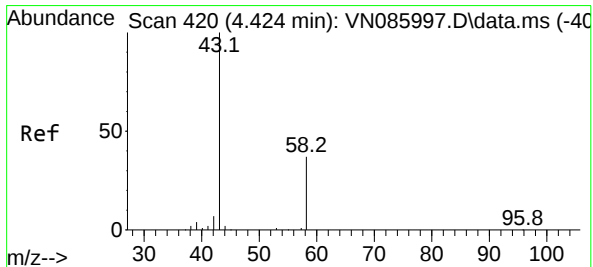
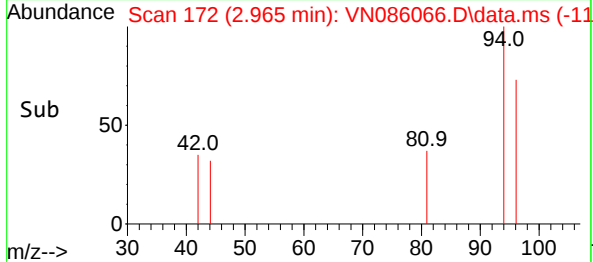
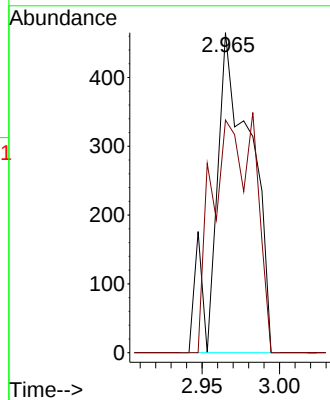
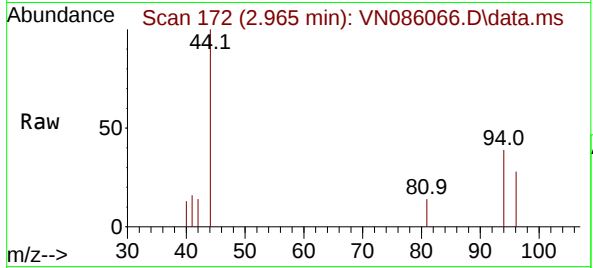
VN0324MBL01

Tgt Ion: 94 Resp: 733

Ion Ratio Lower Upper

94 100

96 72.7 72.8 109.2#



#16

Acetone

Concen: 1.918 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.011 min

Lab File: VN086066.D

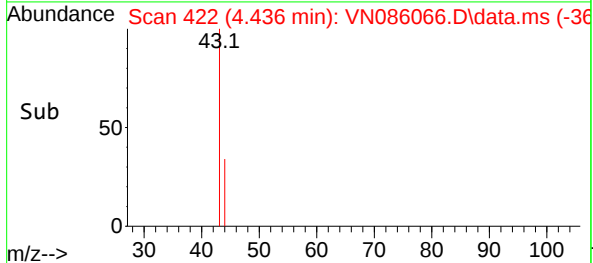
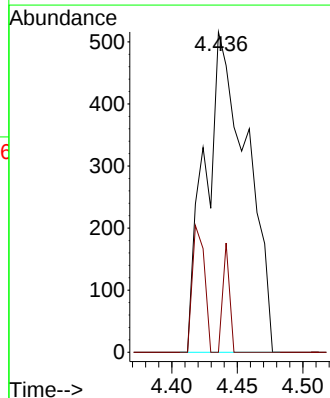
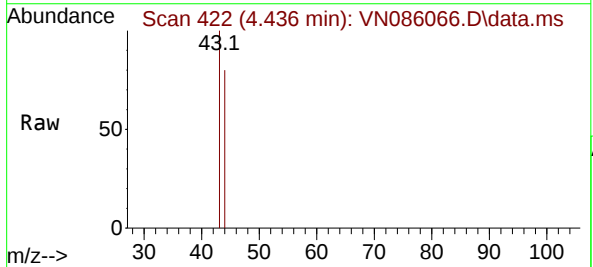
Acq: 24 Mar 2025 12:38

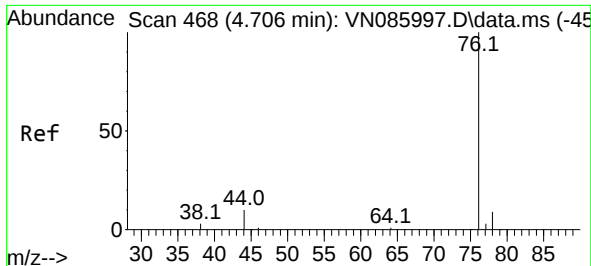
Tgt Ion: 43 Resp: 1138

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#





#17

Carbon Disulfide

Concen: 0.405 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

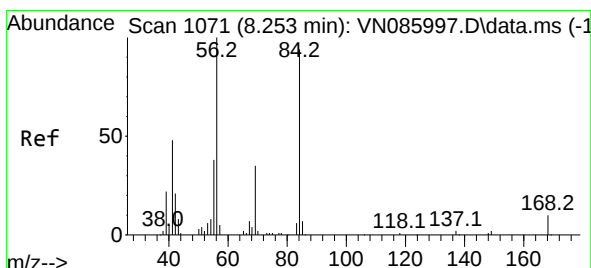
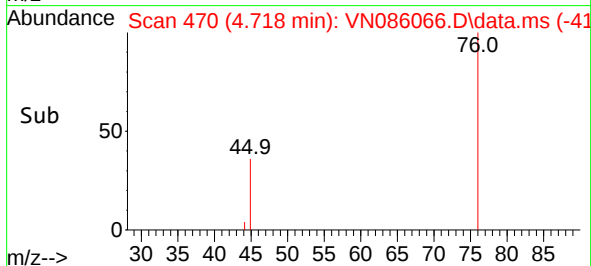
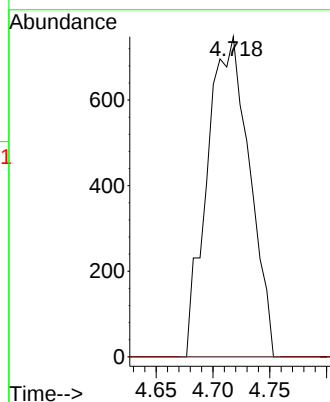
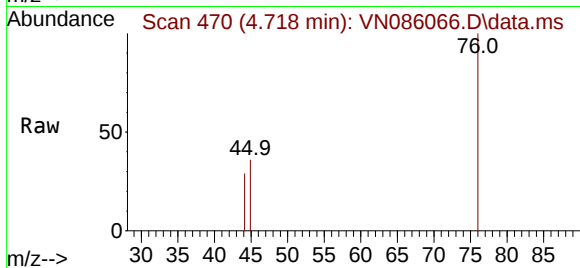
VN0324MBL01

Tgt Ion: 76 Resp: 1933

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

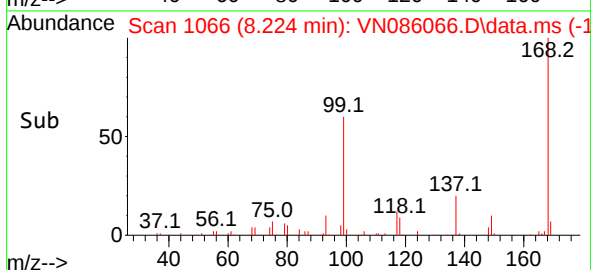
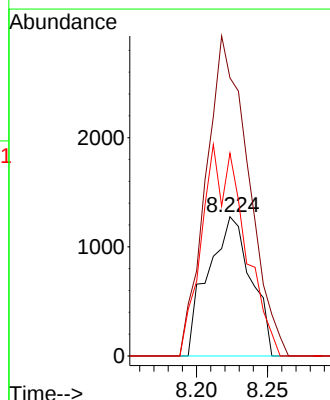
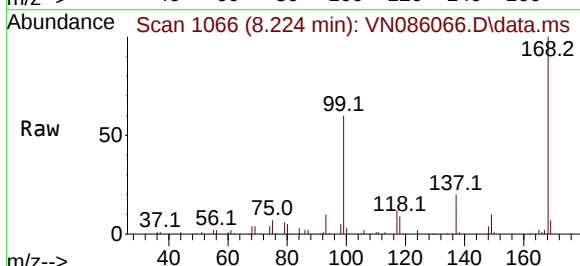
Tgt Ion: 56 Resp: 2684

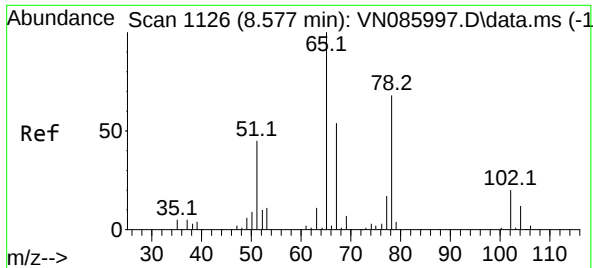
Ion Ratio Lower Upper

56 100

69 199.7 28.0 42.0#

84 145.5 75.0 112.6#

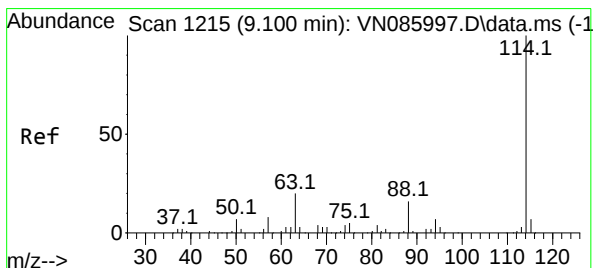
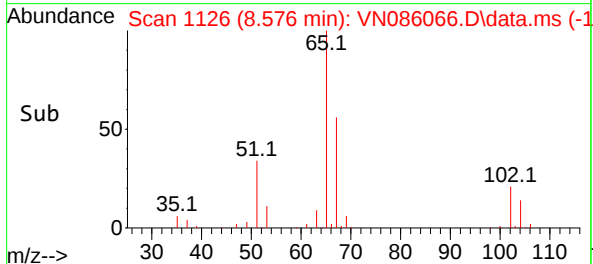
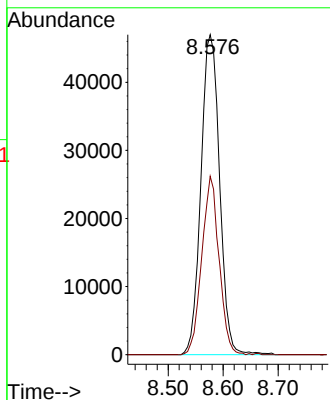
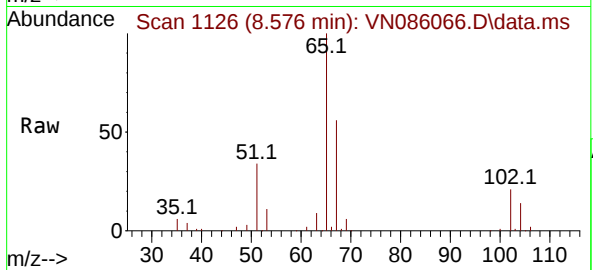




#33
 1,2-Dichloroethane-d4
 Concen: 57.149 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086066.D
 Acq: 24 Mar 2025 12:38

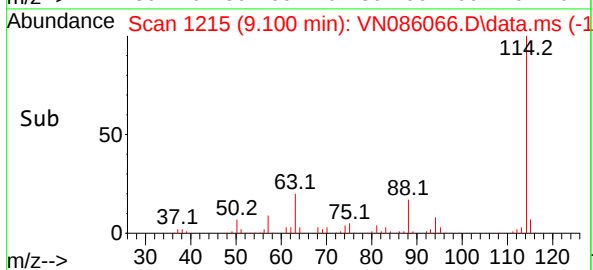
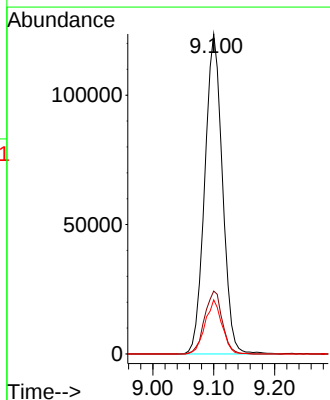
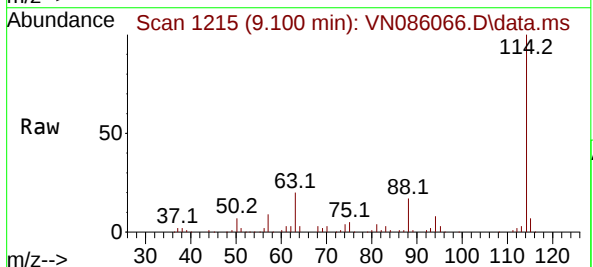
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBL01

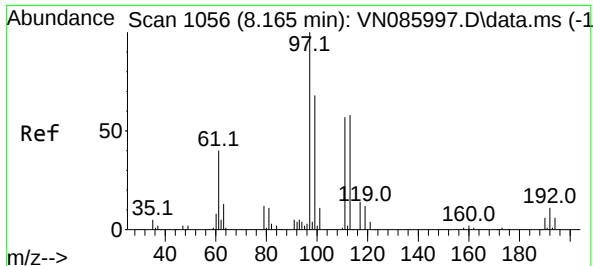
Tgt Ion:	65	Resp:	110982
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086066.D
 Acq: 24 Mar 2025 12:38

Tgt Ion:	114	Resp:	249369
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	16.9	0.0	32.6





#35

Dibromofluoromethane

Concen: 55.075 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBL01

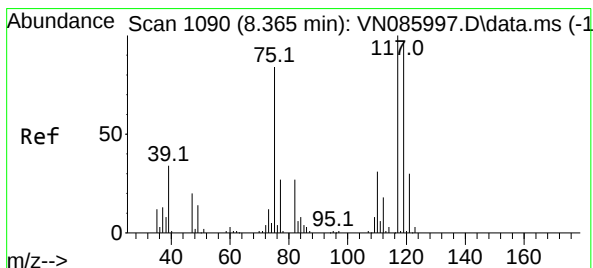
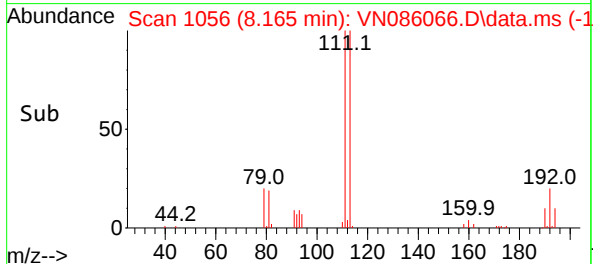
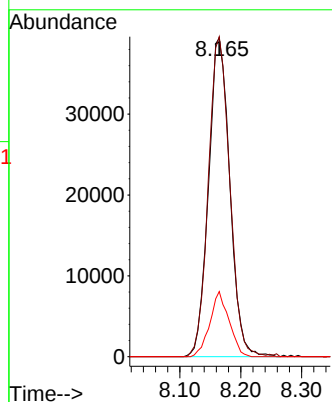
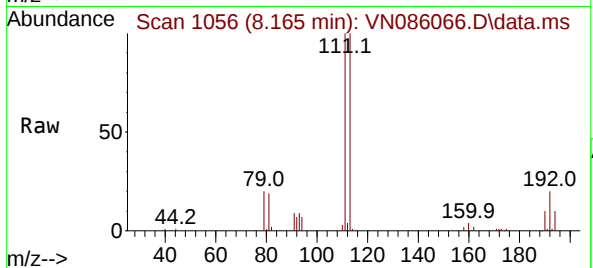
Tgt Ion:113 Resp: 95862

Ion Ratio Lower Upper

113 100

111 100.4 81.8 122.8

192 18.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.749 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

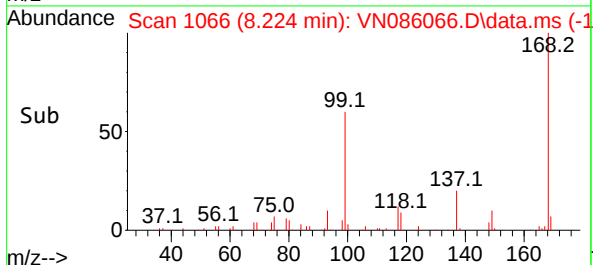
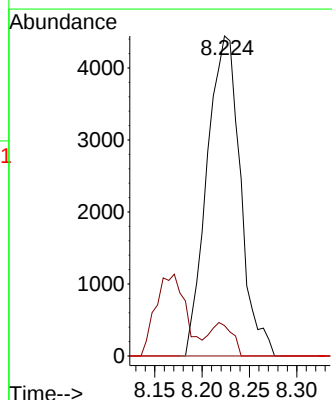
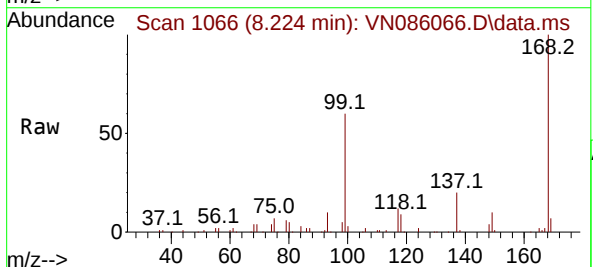
Tgt Ion: 75 Resp: 10884

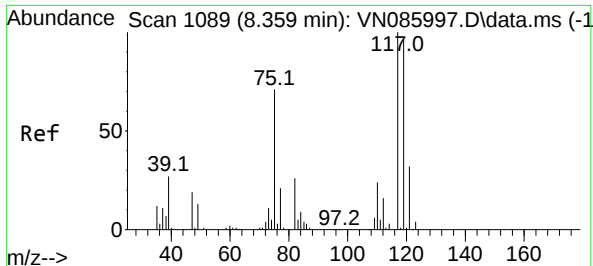
Ion Ratio Lower Upper

75 100

110 7.0 17.8 53.3#

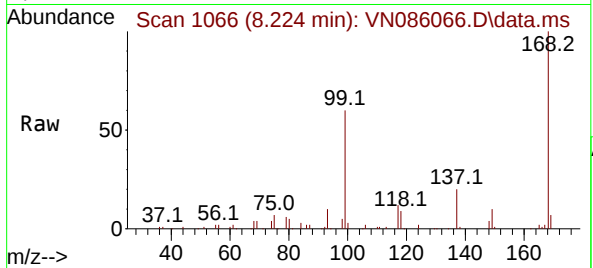
77 0.0 25.0 37.4#



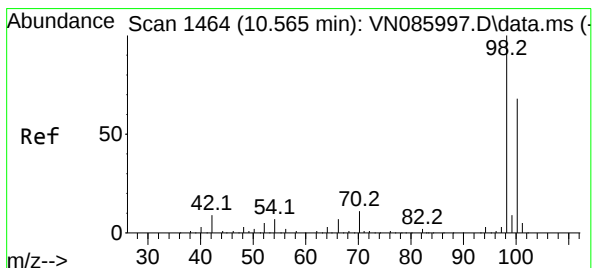
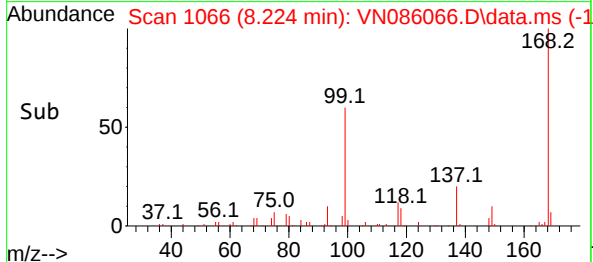
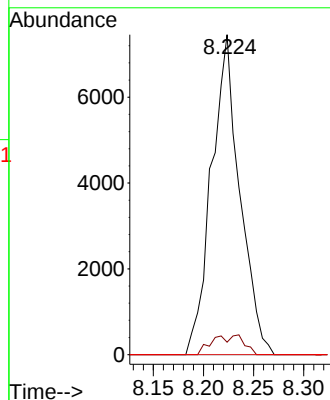


#38
Carbon Tetrachloride
Concen: 4.870 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.136 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

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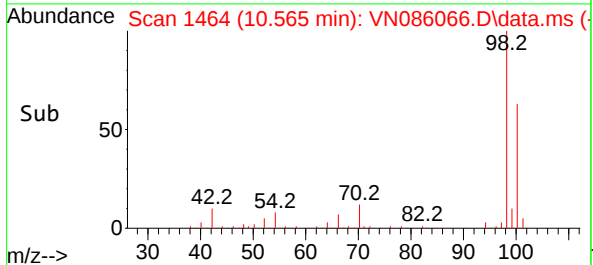
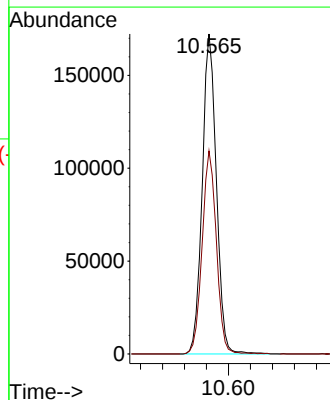
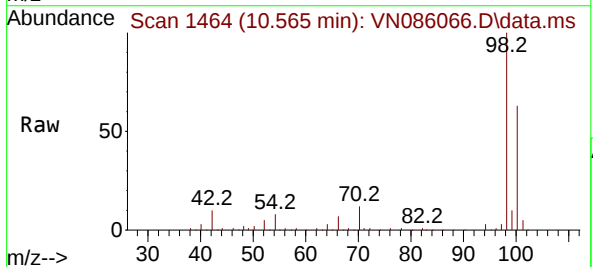


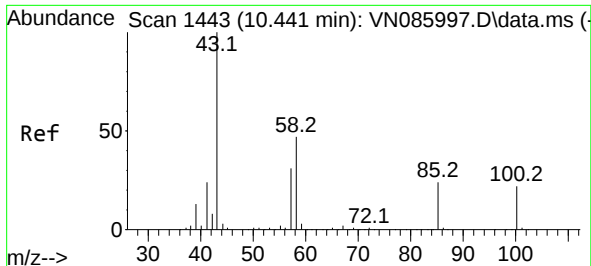
Tgt Ion:117 Resp: 14675
Ion Ratio Lower Upper
117 100
119 3.9 77.0 115.4#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 48.668 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

Tgt Ion: 98 Resp: 307439
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.211 ug/l

RT: 10.453 min Scan# 1443

Delta R.T. 0.011 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

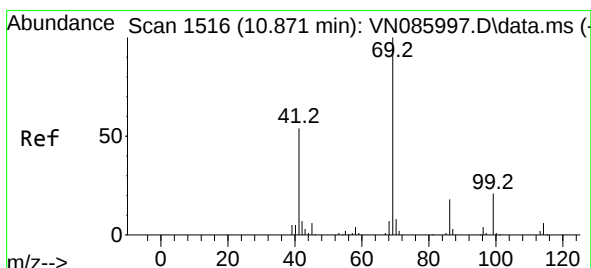
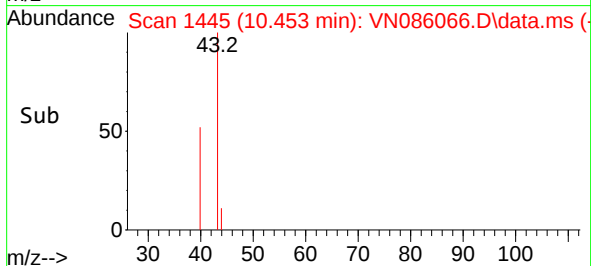
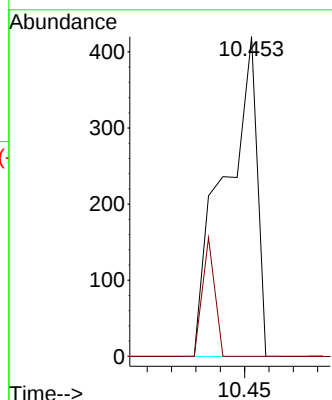
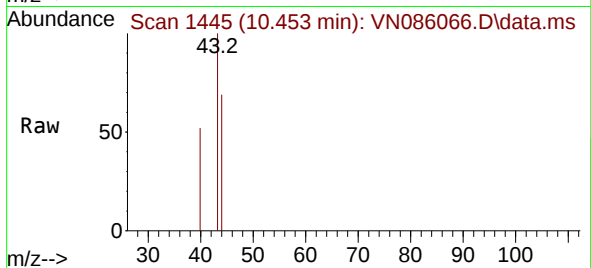
VN0324MBL01

Tgt Ion: 43 Resp: 389

Ion Ratio Lower Upper

43 100

58 0.0 37.4 56.0#



#56

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. 0.005 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

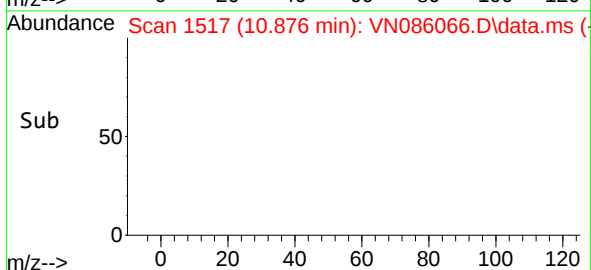
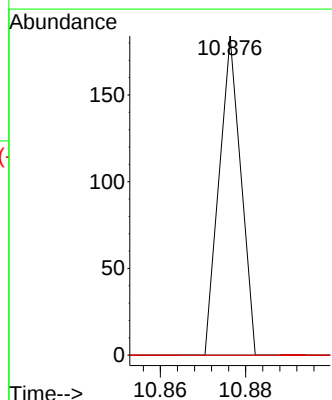
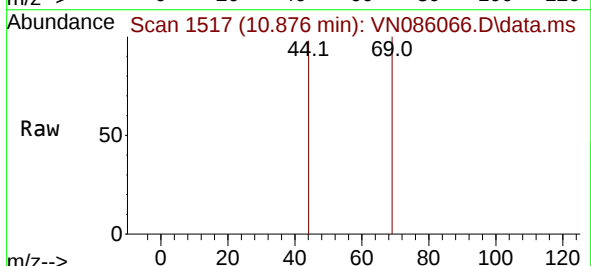
Tgt Ion: 69 Resp: 65

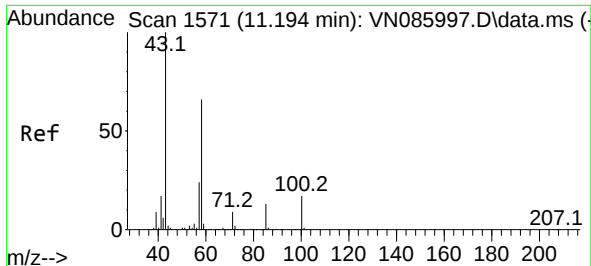
Ion Ratio Lower Upper

69 100

41 0.0 41.6 62.4#

39 0.0 21.8 32.8#

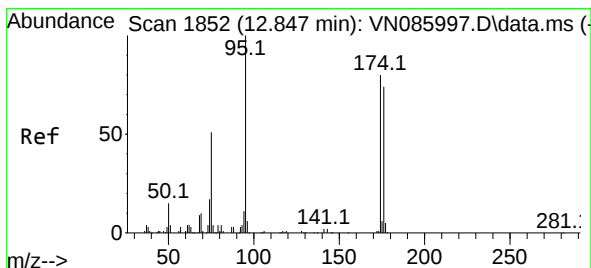
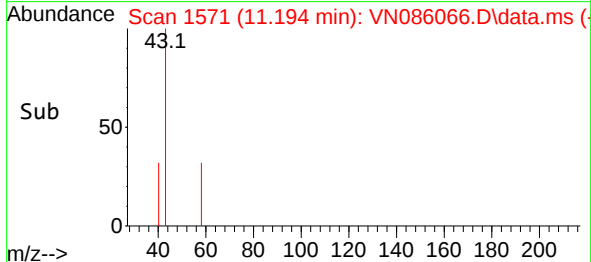
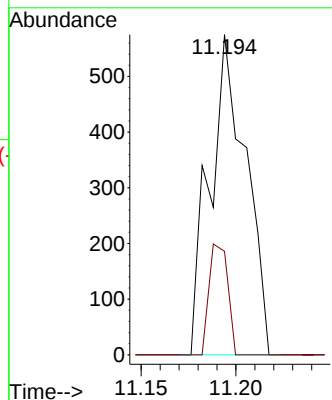
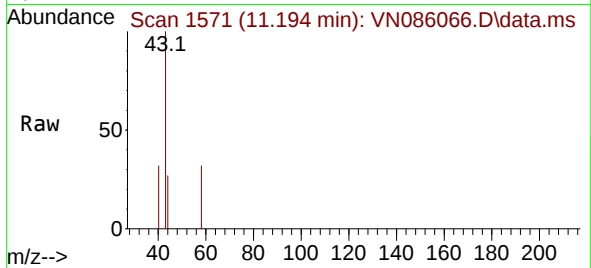




#59
2-Hexanone
Concen: 0.566 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

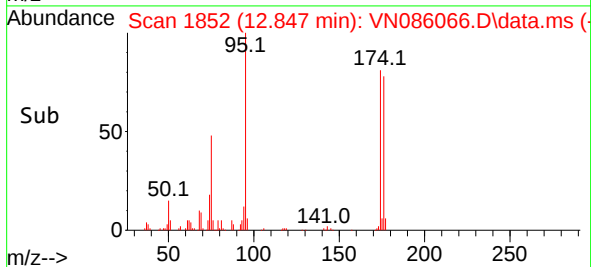
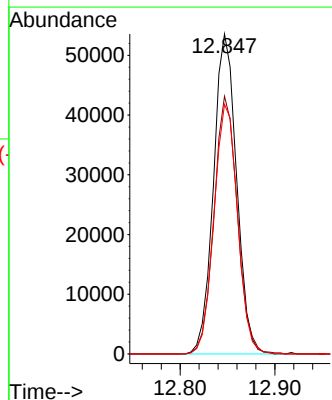
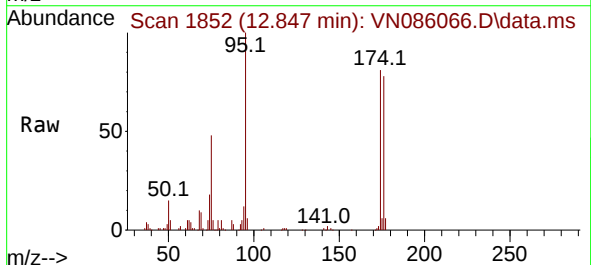
Instrument :
MSVOA_N
ClientSampleId :
VN0324MBL01

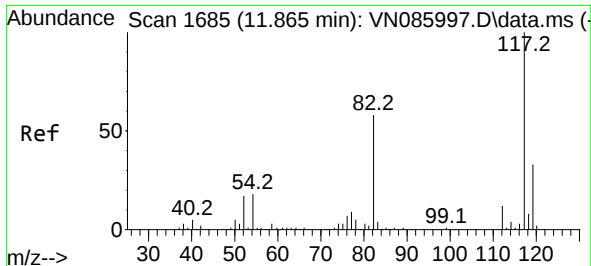
Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
58 17.8 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 40.268 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

Tgt Ion: 95 Resp: 90718
Ion Ratio Lower Upper
95 100
174 81.3 0.0 156.8
176 79.7 0.0 152.2

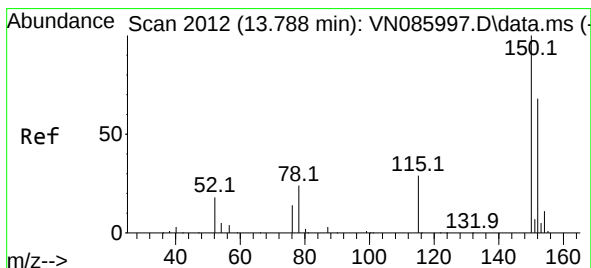
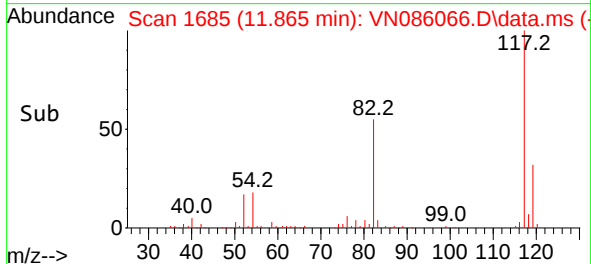
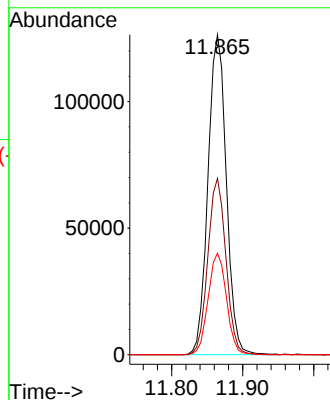
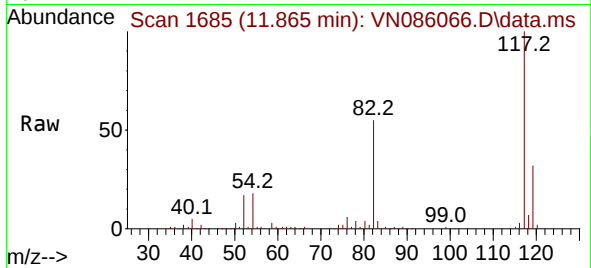




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

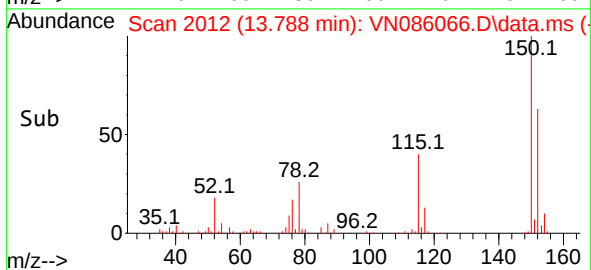
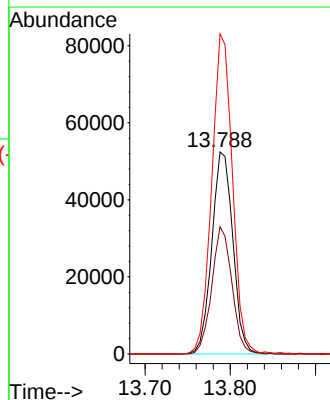
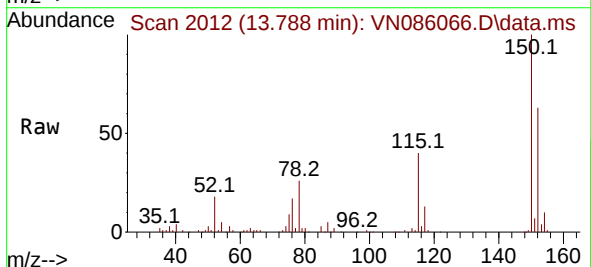
Instrument :
MSVOA_N
ClientSampleId :
VN0324MBL01

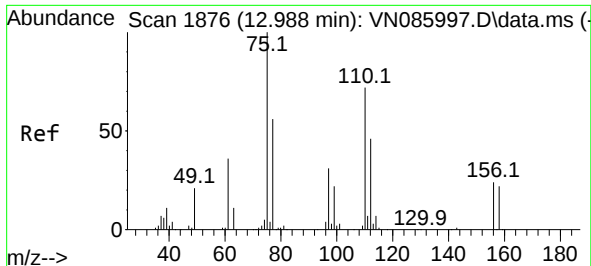
Tgt Ion:117 Resp: 226919
Ion Ratio Lower Upper
117 100
82 55.1 46.7 70.1
119 31.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

Tgt Ion:152 Resp: 90093
Ion Ratio Lower Upper
152 100
115 60.1 31.1 93.2
150 155.6 0.0 359.6

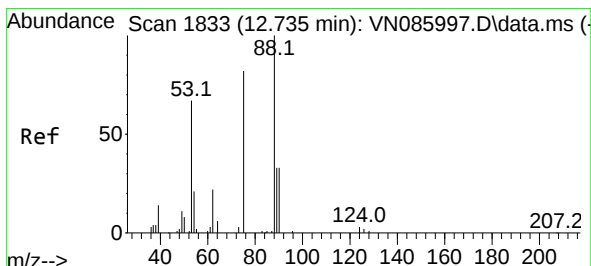
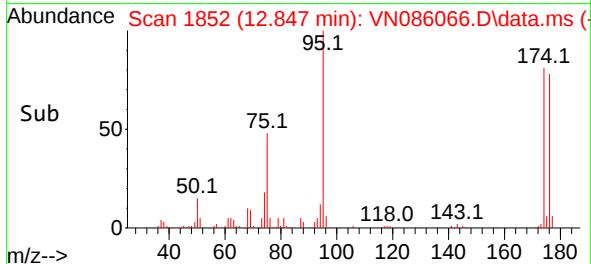
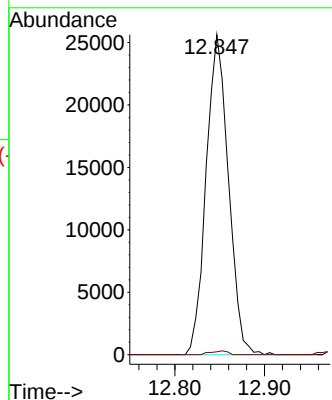
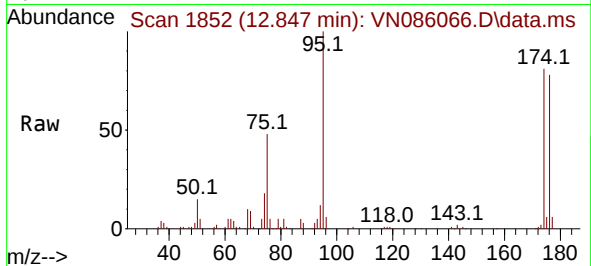




#76
1,2,3-Trichloropropane
Concen: 21.939 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

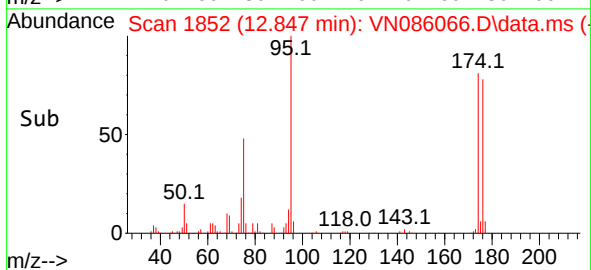
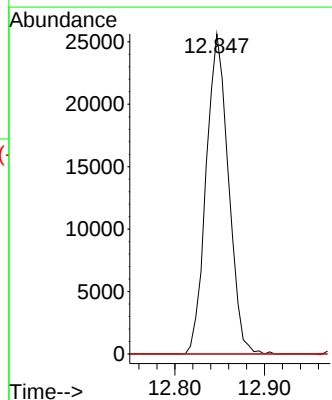
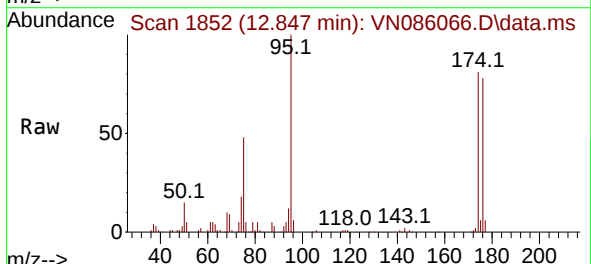
Instrument :
MSVOA_N
ClientSampleId :
VN0324MBL01

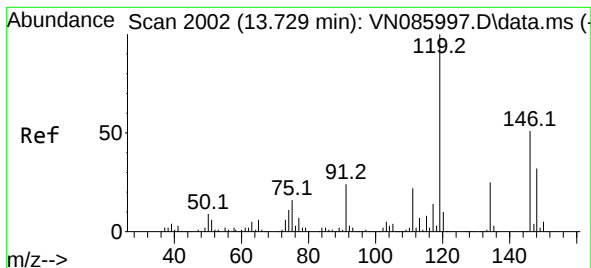
Tgt Ion: 75 Resp: 44252
Ion Ratio Lower Upper
75 100
77 0.9 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.004 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

Tgt Ion: 75 Resp: 44252
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.304 ug/l

RT: 13.723 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBL01

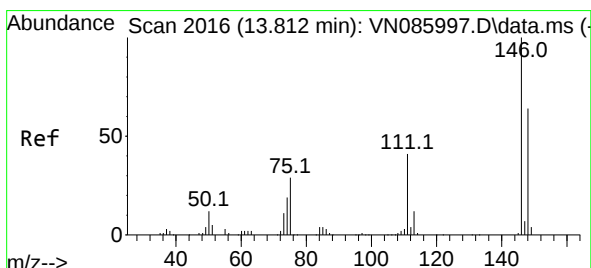
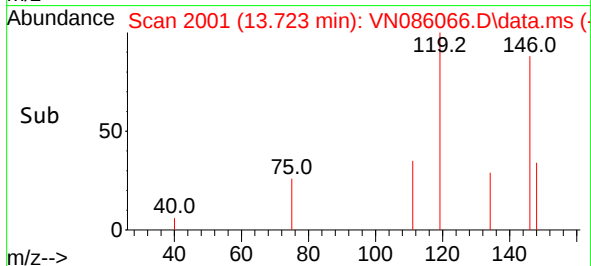
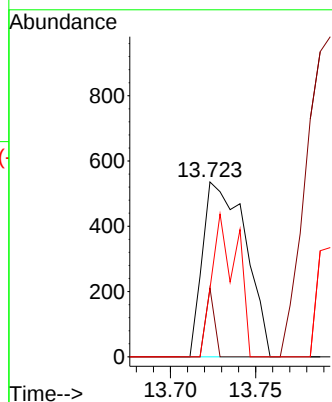
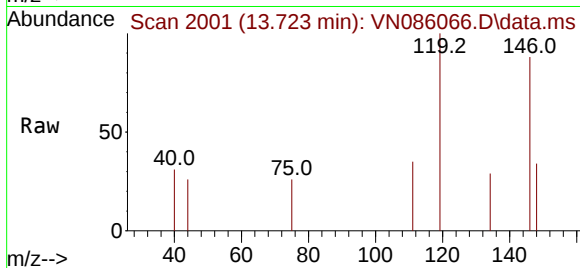
Tgt Ion:146 Resp: 939

Ion Ratio Lower Upper

146 100

111 7.9 21.2 63.6#

148 47.6 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 0.326 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.006 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

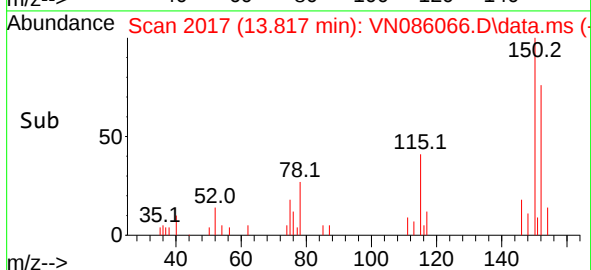
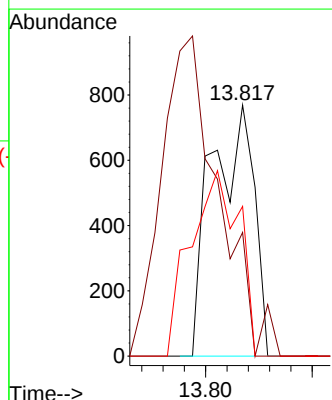
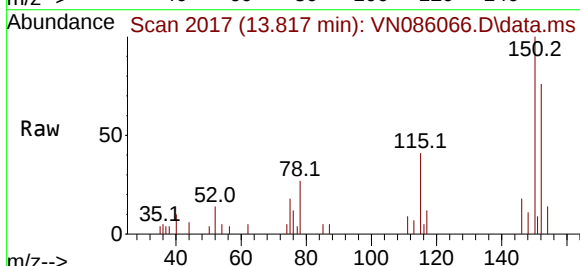
Tgt Ion:146 Resp: 1059

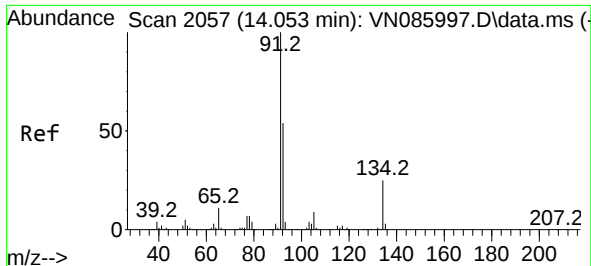
Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

148 84.5 32.1 96.5





#89

n-Butylbenzene

Concen: 0.453 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

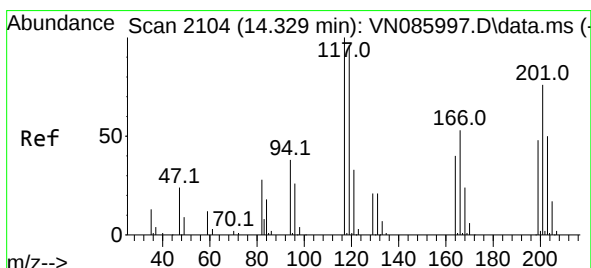
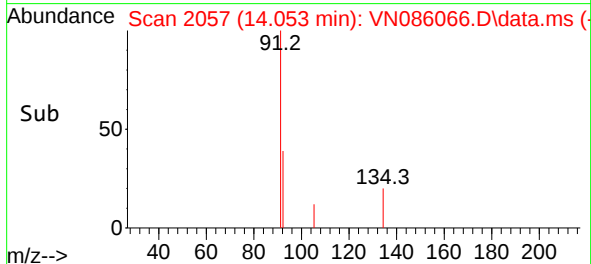
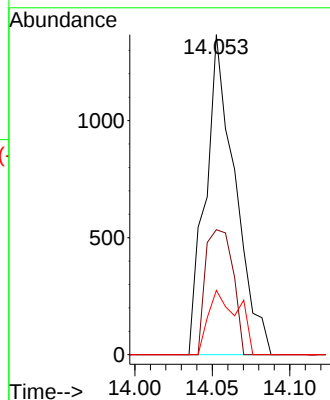
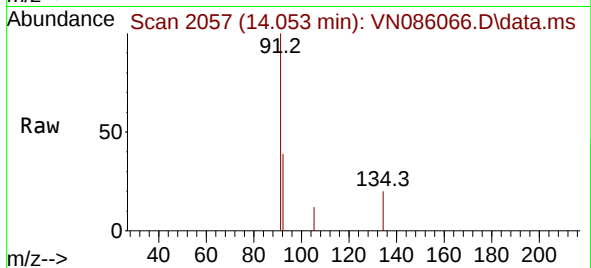
Instrument :

MSVOA_N

ClientSampleId :

VN0324MBL01

Tgt Ion: 91	Resp:	1810
Ion	Ratio	Lower Upper
91	100	
92	36.4	26.9 80.6
134	20.2	13.0 39.0



#90

Hexachloroethane

Concen: 0.215 ug/l

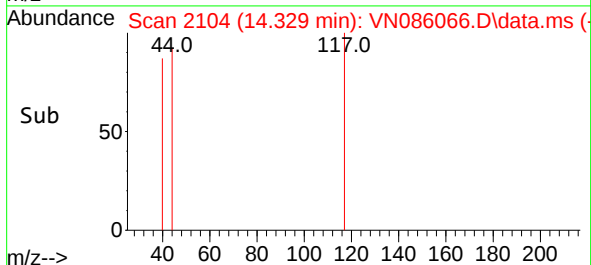
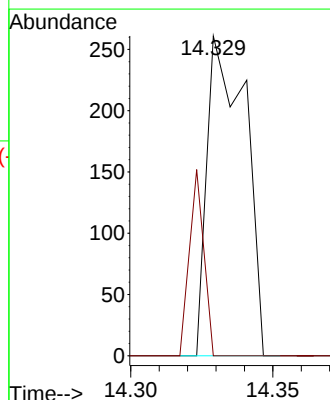
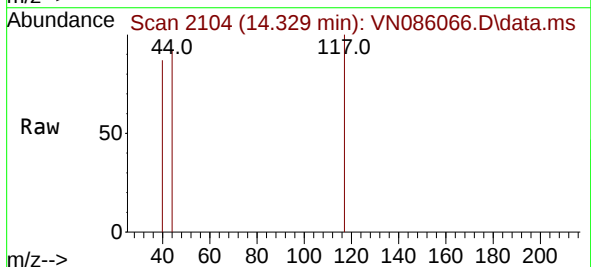
RT: 14.329 min Scan# 2104

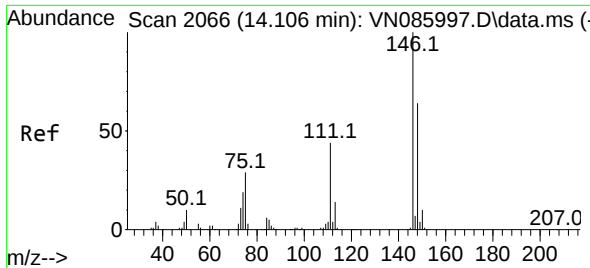
Delta R.T. -0.000 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

Tgt Ion: 117	Resp:	243
Ion	Ratio	Lower Upper
117	100	
201	22.2	39.1 117.3#

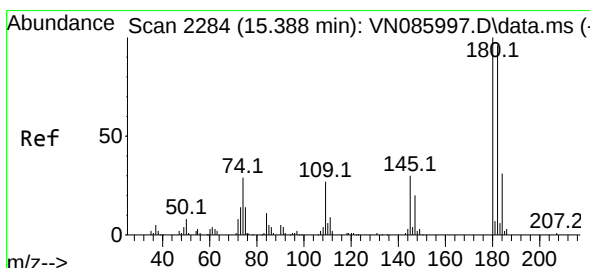
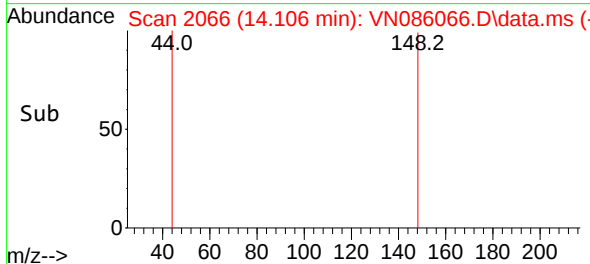
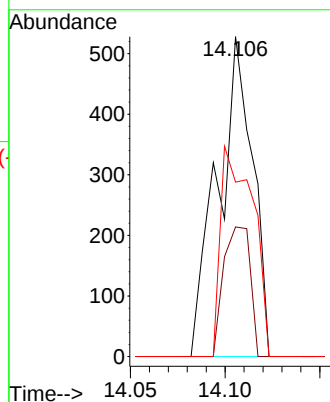
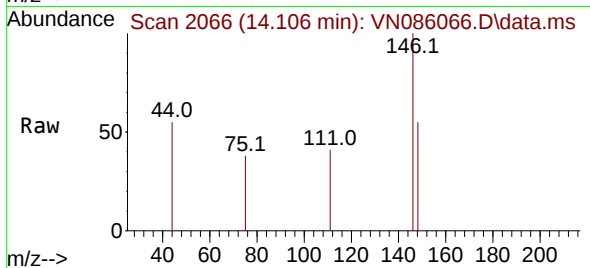




#91
1,2-Dichlorobenzene
Concen: 0.219 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

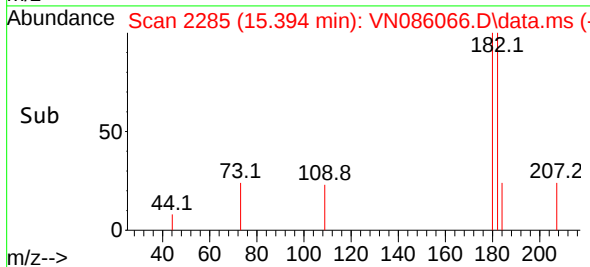
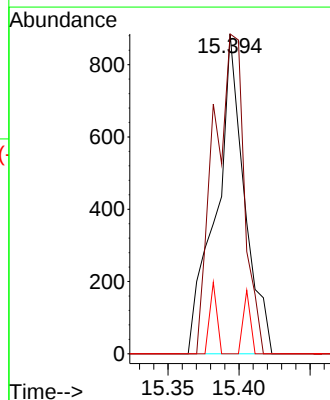
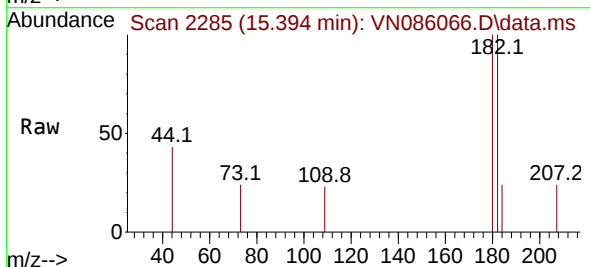
Instrument :
MSVOA_N
ClientSampleId :
VN0324MBL01

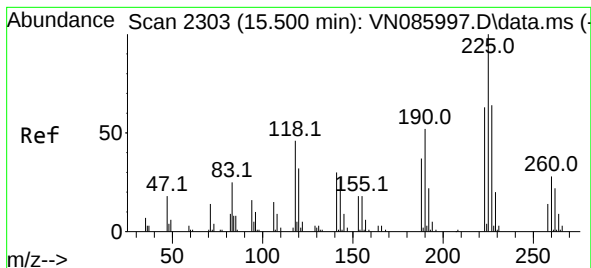
Tgt Ion:	146	Resp:	673
Ion	Ratio	Lower	Upper
146	100		
111	30.9	22.3	66.8
148	60.8	32.1	96.5



#93
1,2,4-Trichlorobenzene
Concen: 0.796 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN086066.D
Acq: 24 Mar 2025 12:38

Tgt Ion:	180	Resp:	1230
Ion	Ratio	Lower	Upper
180	100		
182	106.7	47.0	141.0
145	5.0	15.5	46.5





#94

Hexachlorobutadiene

Concen: 1.191 ug/l

RT: 15.494 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0324MBL01

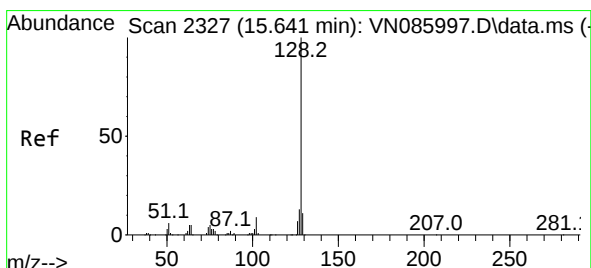
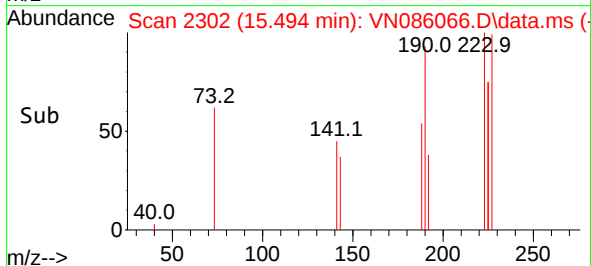
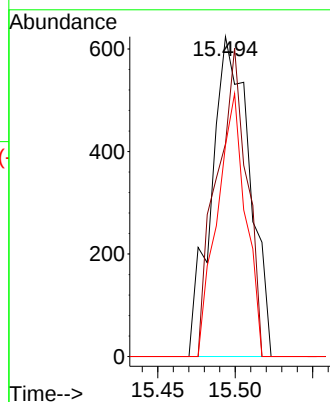
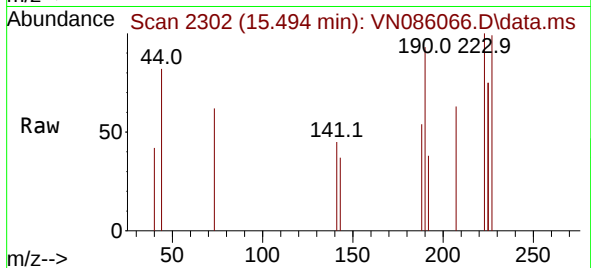
Tgt Ion:225 Resp: 1068

Ion Ratio Lower Upper

225 100

223 76.3 31.3 93.9

227 61.2 32.1 96.3



#95

Naphthalene

Concen: 1.200 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN086066.D

Acq: 24 Mar 2025 12:38

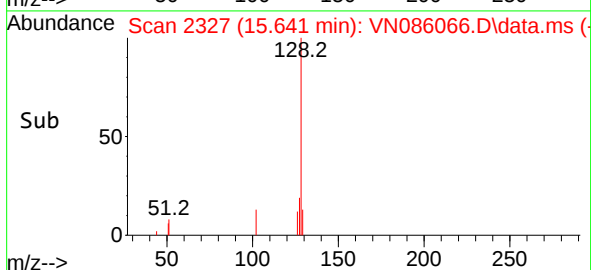
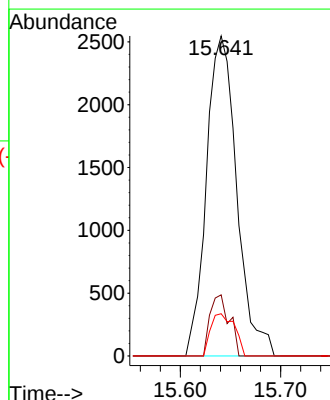
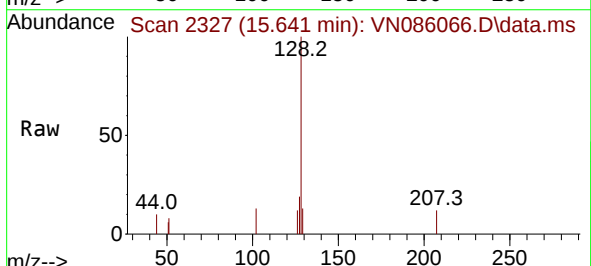
Tgt Ion:128 Resp: 5369

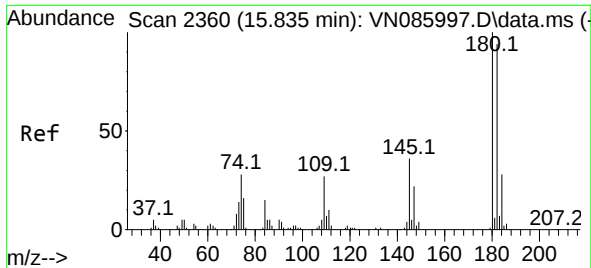
Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

129 10.3 9.0 13.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.139 ug/l
 RT: 15.829 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN086066.D
 Acq: 24 Mar 2025 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324MBL01

Tgt Ion:180 Resp: 1671
 Ion Ratio Lower Upper
 180 100
 182 82.6 47.5 142.5
 145 29.2 17.7 53.1

