

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087369.D
 Acq On : 21 Jul 2025 11:13
 Operator : JC\MD
 Sample : VN0721MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721MBL01

Quant Time: Jul 22 03:03:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

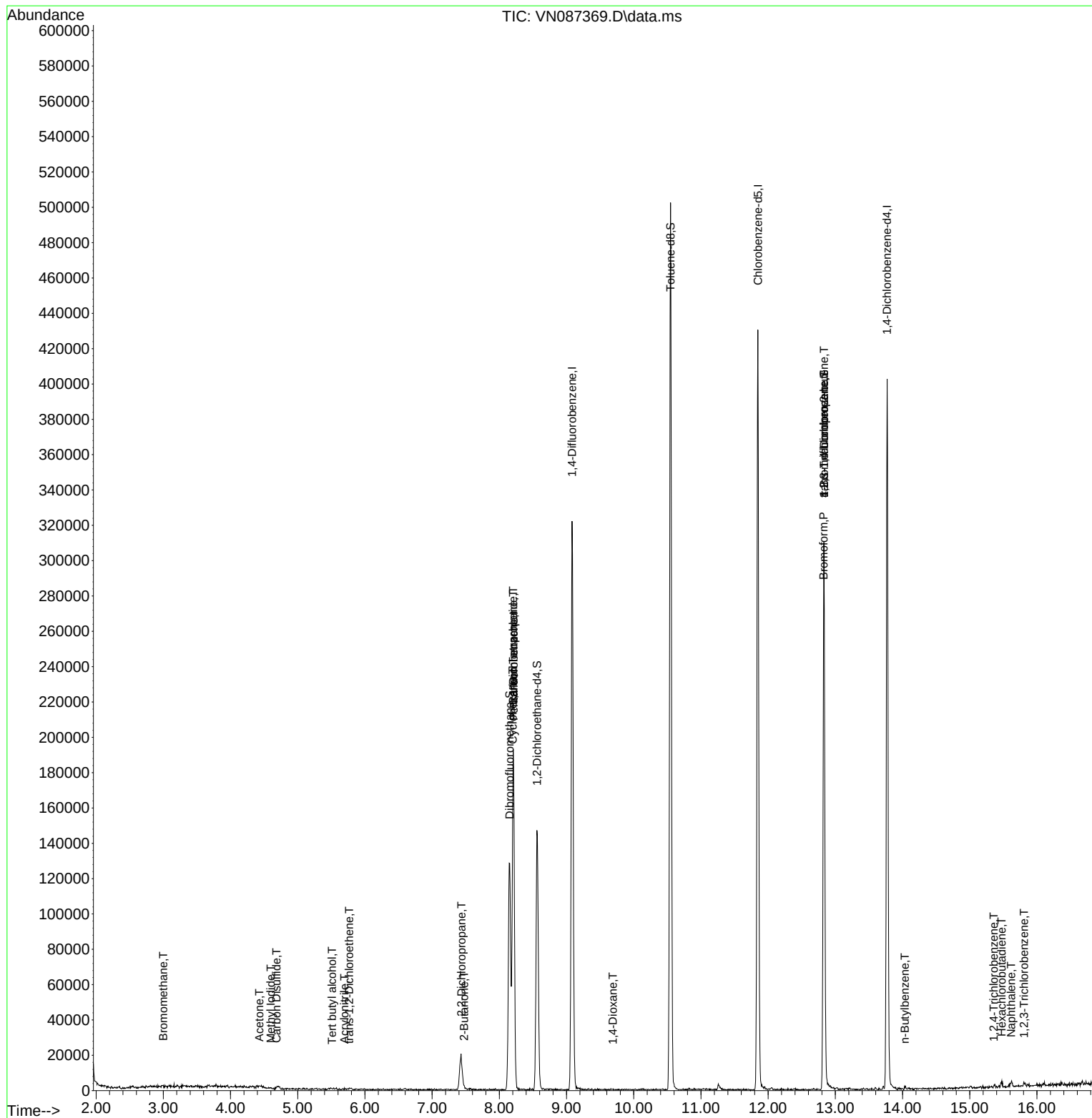
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	136029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	270706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	239878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	105718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	126194	54.674	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.340%	
35) Dibromofluoromethane	8.153	113	95711	51.256	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.520%	
50) Toluene-d8	10.547	98	335145	50.315	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.620%	
62) 4-Bromofluorobenzene	12.829	95	106840	43.415	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 86.820%	
Target Compounds						Qvalue
5) Bromomethane	3.001	94	285	0.305	ug/l #	15
10) Methyl Iodide	4.601	142	826	6.151	ug/l #	40
11) Tert butyl alcohol	5.512	59	466	1.063	ug/l #	72
15) Acrylonitrile	5.695	53	500	0.420	ug/l #	34
16) Acetone	4.430	43	1066	0.985	ug/l #	47
17) Carbon Disulfide	4.683	76	1585	0.344	ug/l #	71
20) Methylene Chloride	5.259	84	59	Below Cal	#	53
21) trans-1,2-Dichloroethene	5.765	96	633	0.361	ug/l #	1
25) 2-Butanone	7.477	43	713	0.426	ug/l #	51
26) 2,2-Dichloropropane	7.436	77	1540	0.582	ug/l #	54
31) Cyclohexane	8.200	56	3777	1.331	ug/l #	59
36) 1,1-Dichloropropene	8.206	75	12670	5.136	ug/l #	51
38) Carbon Tetrachloride	8.206	117	15392	5.664	ug/l #	14
49) 1,4-Dioxane	9.688	88	57	1.495	ug/l #	11
71) Bromoform	12.824	173	558	0.377	ug/l #	29
76) 1,2,3-Trichloropropane	12.829	75	59080	24.922	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	59080	68.189	ug/l #	8
89) n-Butylbenzene	14.035	91	1152	0.211	ug/l #	85
93) 1,2,4-Trichlorobenzene	15.359	180	766	0.406	ug/l #	85
94) Hexachlorobutadiene	15.476	225	823	1.175	ug/l	85
95) Naphthalene	15.617	128	3778	0.566	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.806	180	995	0.526	ug/l	85

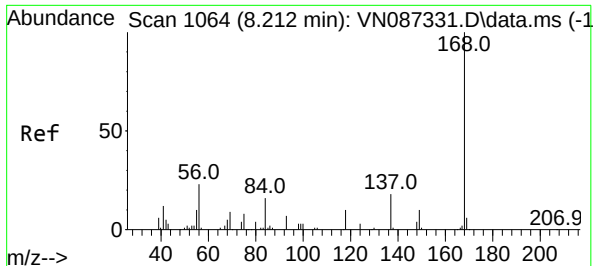
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087369.D
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
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Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

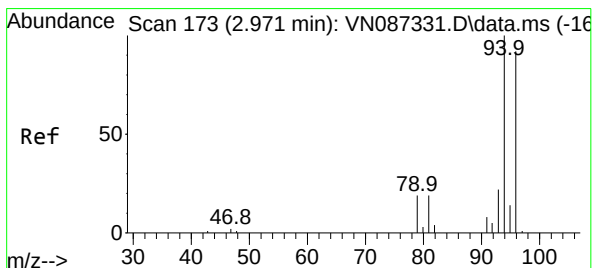
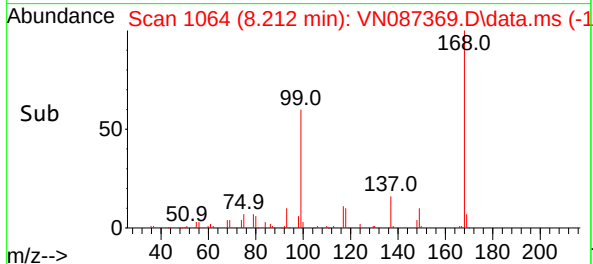
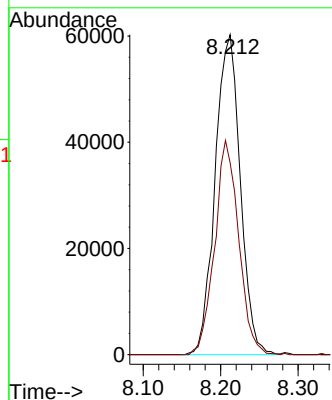
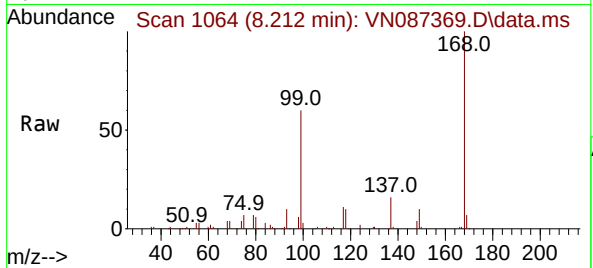




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

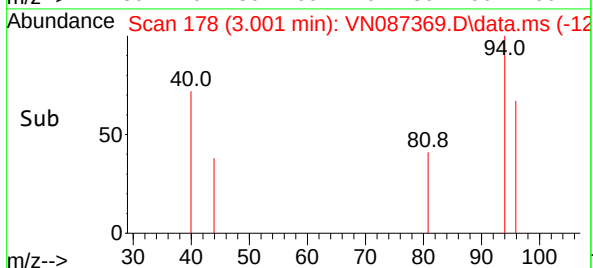
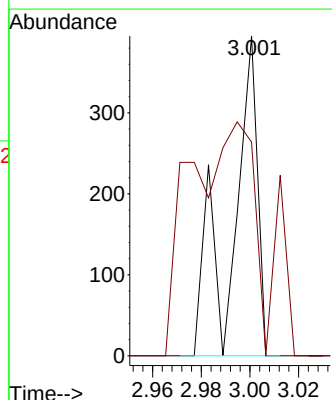
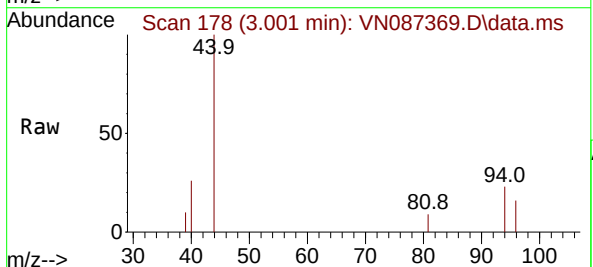
Instrument :
MSVOA_N
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VN0721MBL01

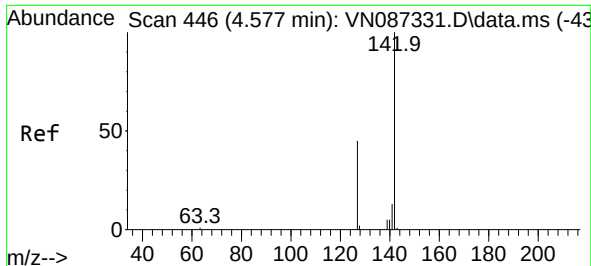
Tgt Ion:168 Resp: 136029
Ion Ratio Lower Upper
168 100
99 60.0 47.9 71.9



#5
Bromomethane
Concen: 0.305 ug/l
RT: 3.001 min Scan# 178
Delta R.T. 0.030 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 10.4 73.4 110.2#





#10

Methyl Iodide

Concen: 6.151 ug/l

RT: 4.601 min Scan# 4

Delta R.T. 0.024 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0721MBL01

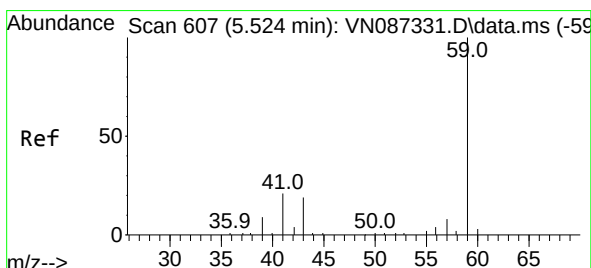
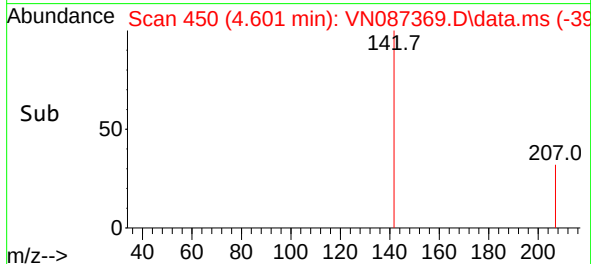
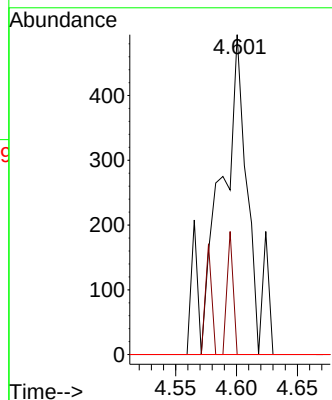
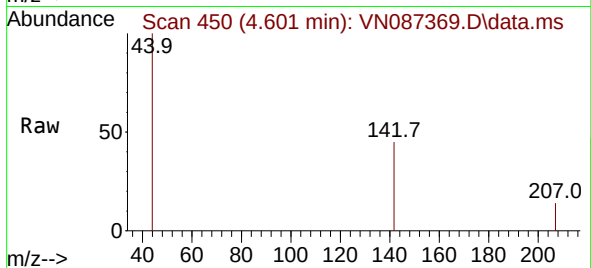
Tgt Ion:142 Resp: 826

Ion Ratio Lower Upper

142 100

127 0.0 35.7 53.5#

141 0.0 10.4 15.6#



#11

Tert butyl alcohol

Concen: 1.063 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.012 min

Lab File: VN087369.D

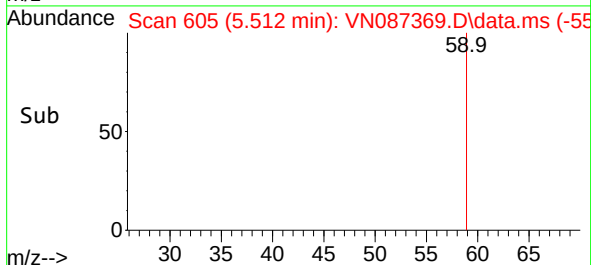
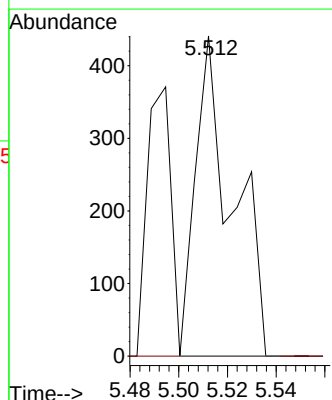
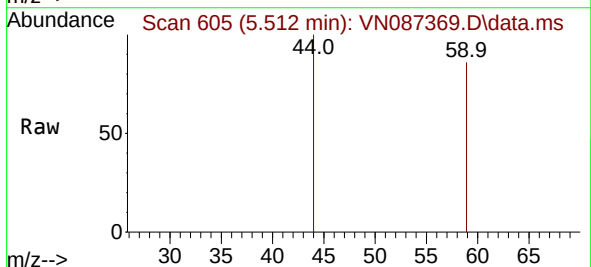
Acq: 21 Jul 2025 11:13

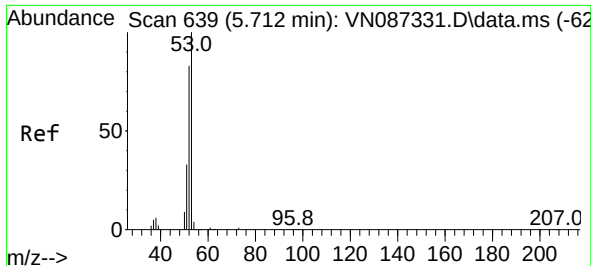
Tgt Ion: 59 Resp: 466

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

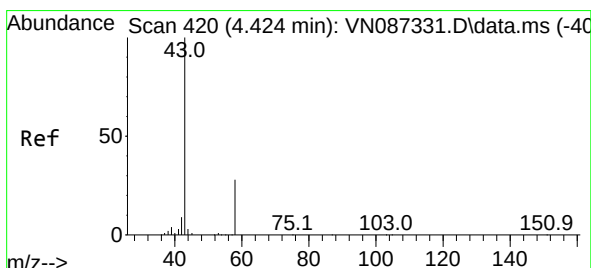
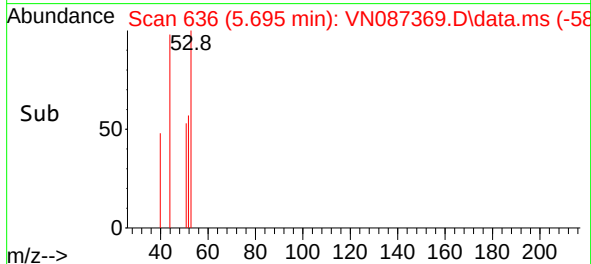
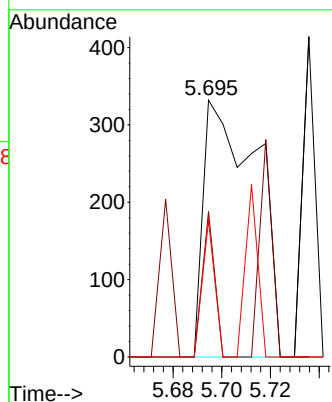
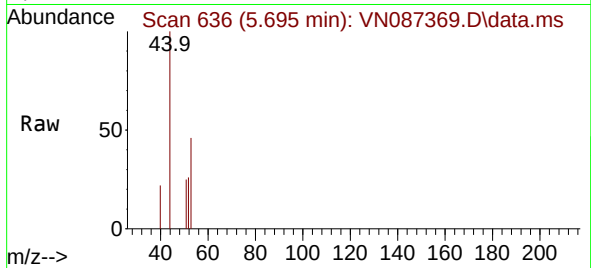




#15
Acrylonitrile
Concen: 0.420 ug/l
RT: 5.695 min Scan# 61
Delta R.T. -0.017 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

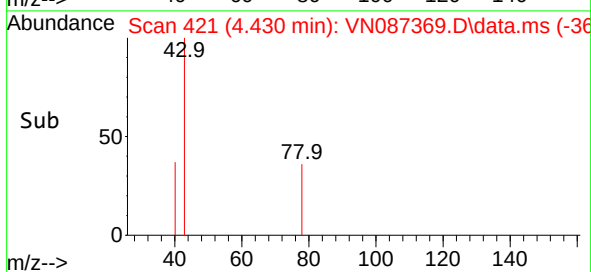
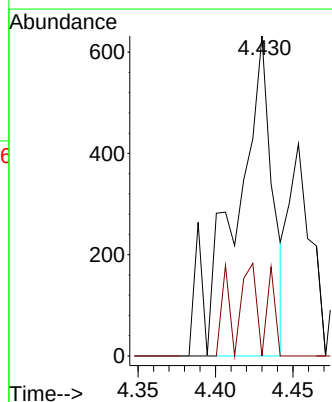
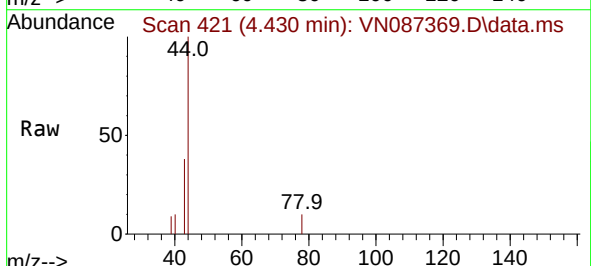
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

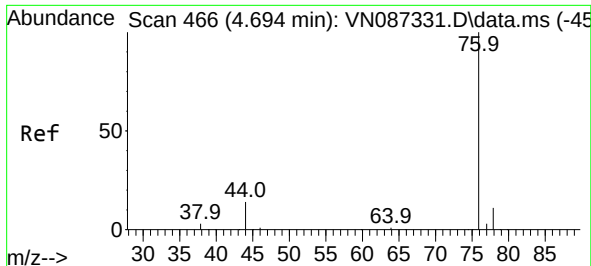
Tgt Ion: 53 Resp: 500
Ion Ratio Lower Upper
53 100
52 13.2 65.5 98.3#
51 12.4 28.7 43.1#



#16
Acetone
Concen: 0.985 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#

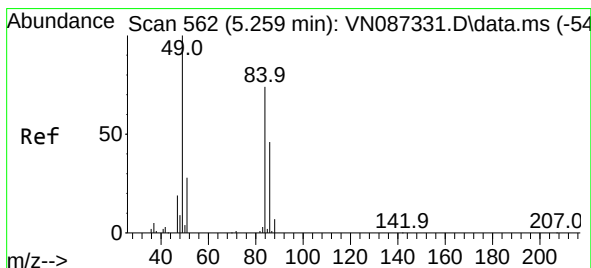
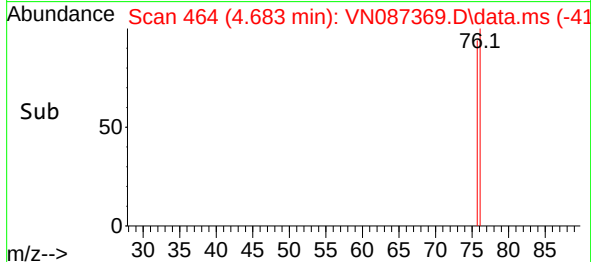
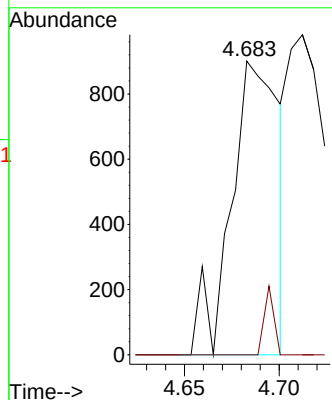
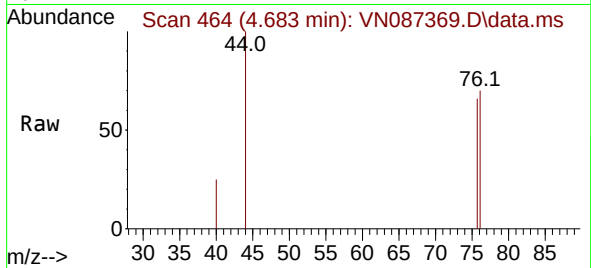




#17
Carbon Disulfide
Concen: 0.344 ug/l
RT: 4.683 min Scan# 41
Delta R.T. -0.011 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

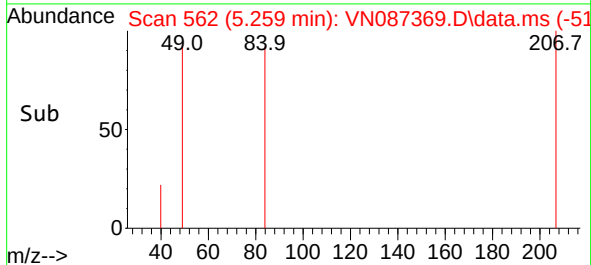
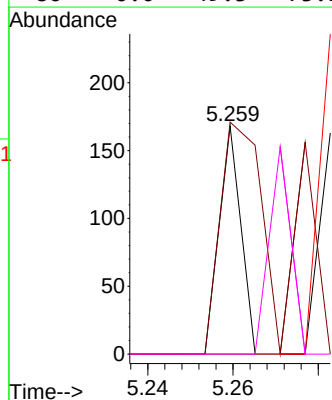
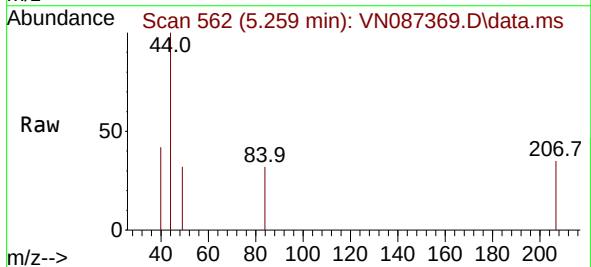
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

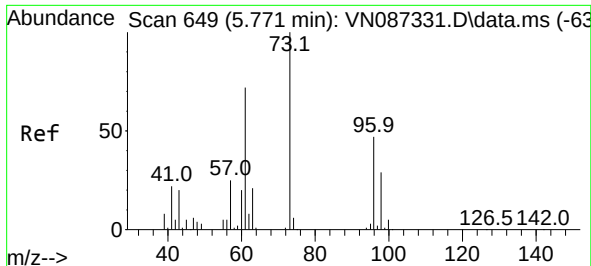
Tgt Ion: 76 Resp: 1585
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 84 Resp: 59
Ion Ratio Lower Upper
84 100
49 101.8 107.5 161.3#
51 0.0 30.2 45.2#
86 0.0 49.3 73.9#

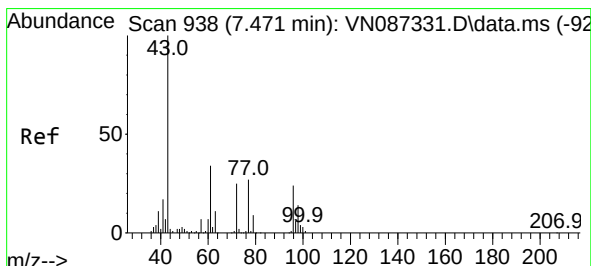
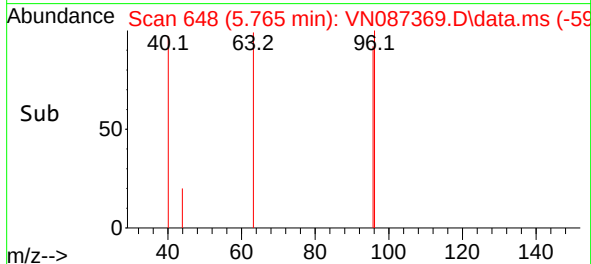
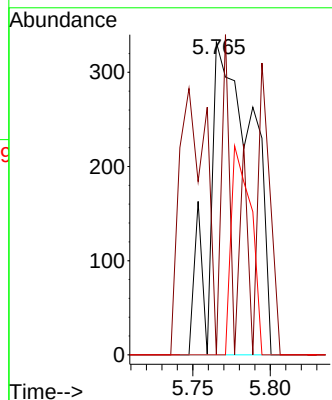
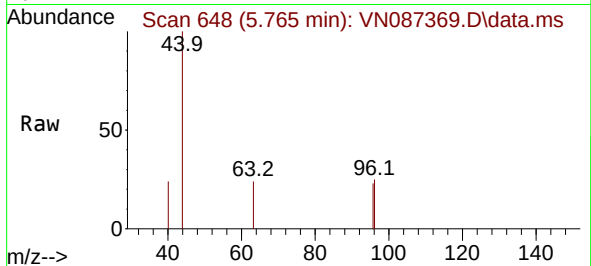




#21
trans-1,2-Dichloroethene
Concen: 0.361 ug/l
RT: 5.765 min Scan# 649
Delta R.T. -0.006 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

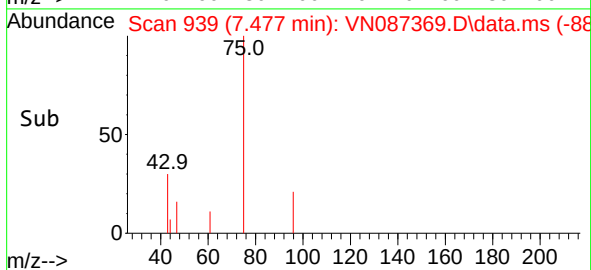
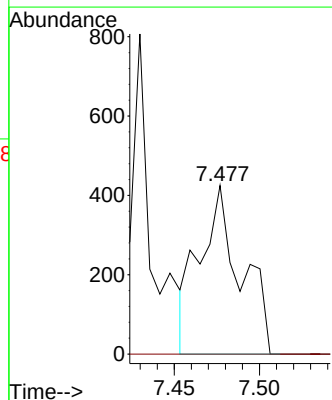
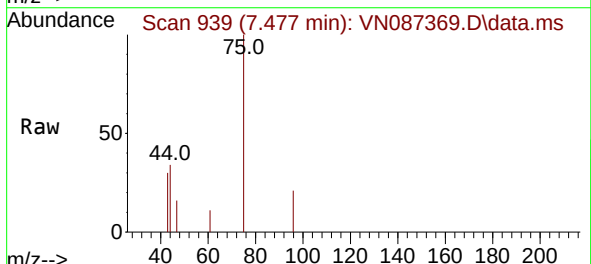
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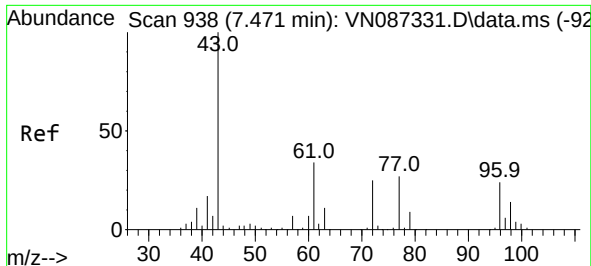
Tgt Ion: 96 Resp: 633
Ion Ratio Lower Upper
96 100
61 0.0 122.0 183.0#
98 0.0 50.0 75.0#



#25
2-Butanone
Concen: 0.426 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#

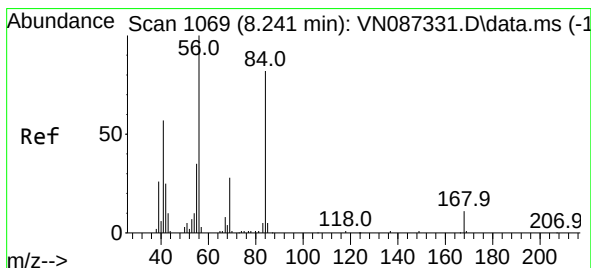
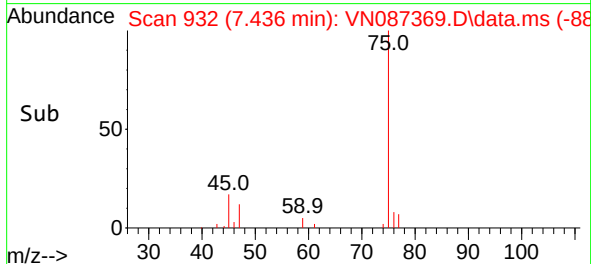
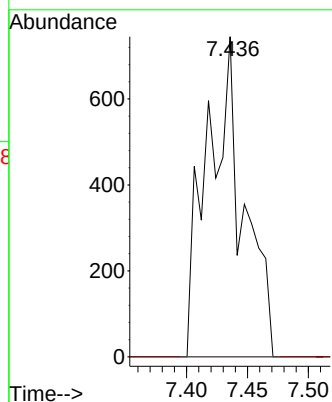
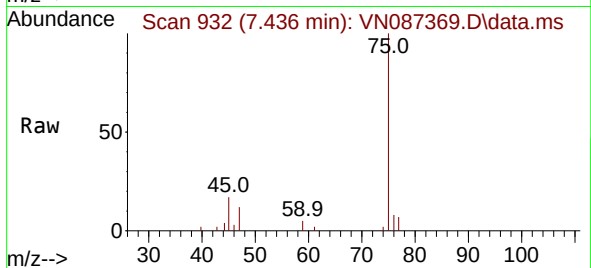




#26
2,2-Dichloropropane
Concen: 0.582 ug/l
RT: 7.436 min Scan# 91
Delta R.T. -0.035 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

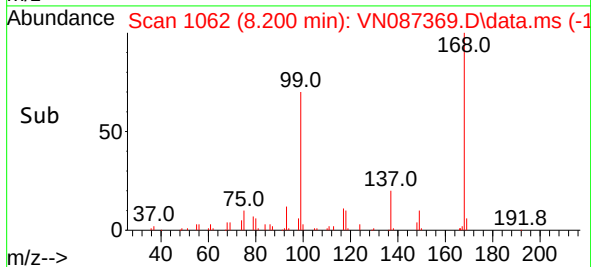
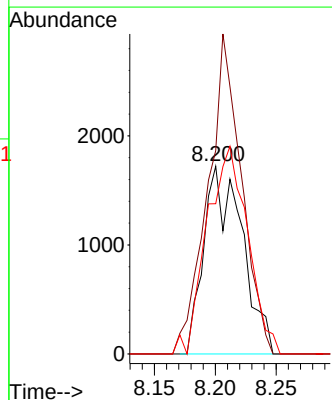
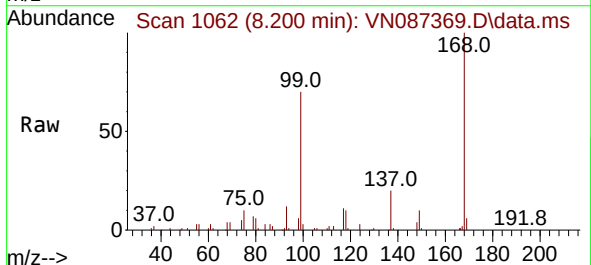
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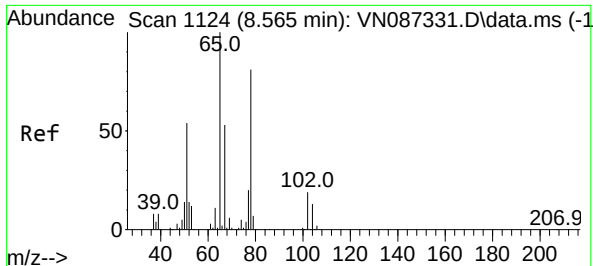
Tgt Ion: 77 Resp: 1540
Ion Ratio Lower Upper
77 100
97 0.0 11.1 33.1#



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.041 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 56 Resp: 3777
Ion Ratio Lower Upper
56 100
69 108.3 22.7 34.1#
84 80.0 65.8 98.6





#33

1,2-Dichloroethane-d4

Concen: 54.674 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

Instrument :

MSVOA_N

ClientSampleId :

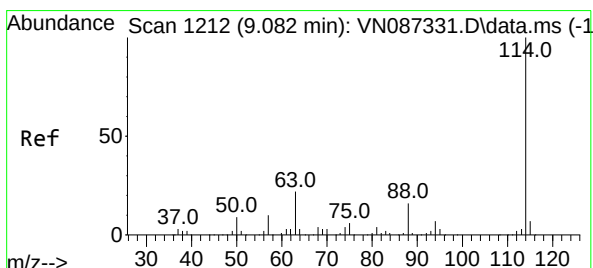
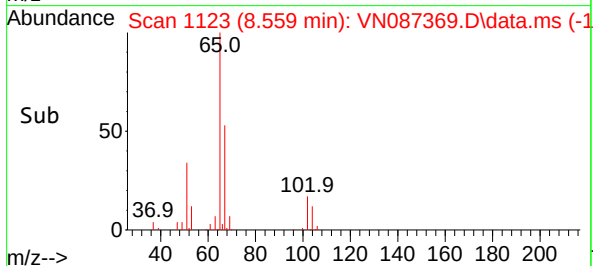
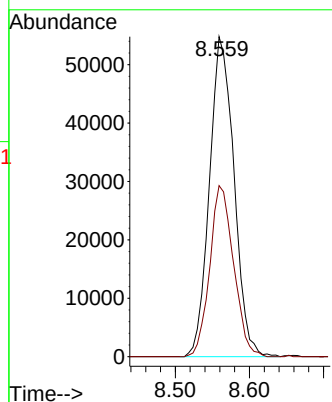
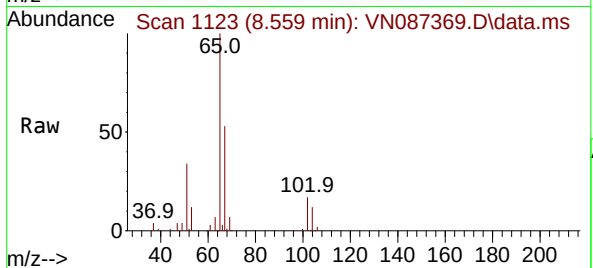
VN0721MBL01

Tgt Ion: 65 Resp: 126194

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

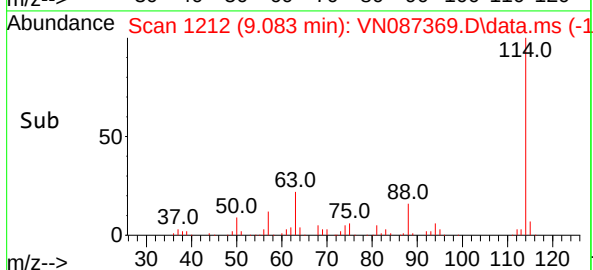
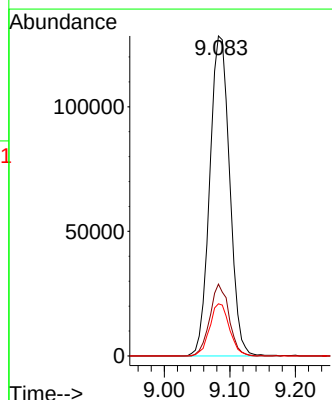
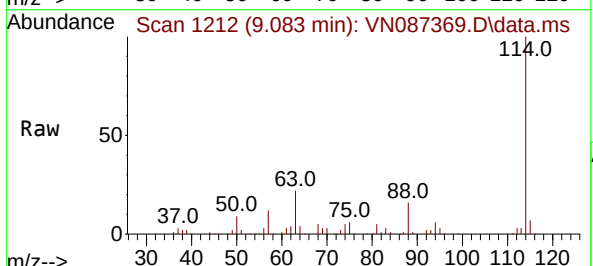
Tgt Ion: 114 Resp: 270706

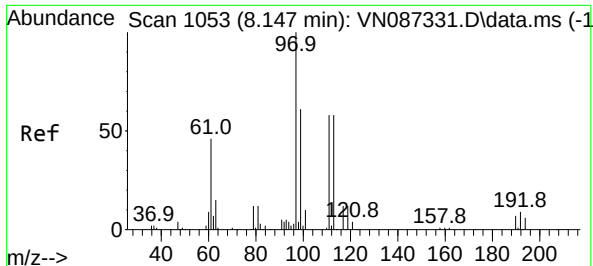
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.256 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0721MBL01

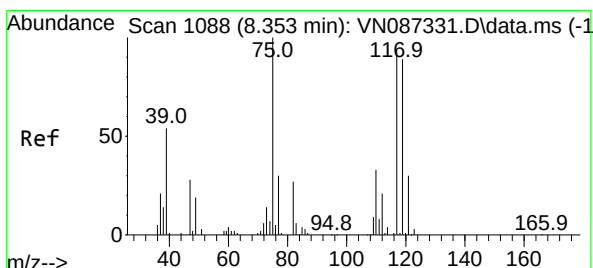
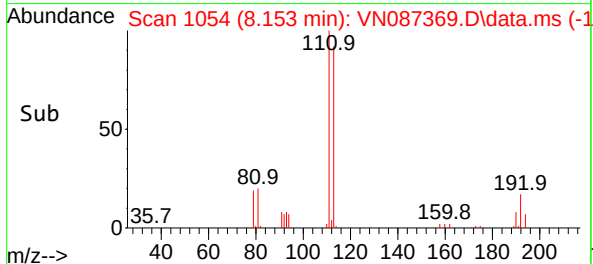
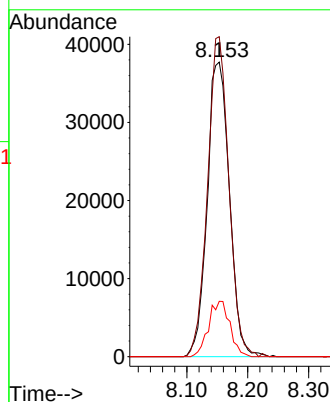
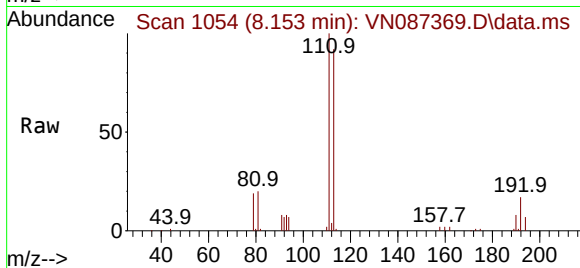
Tgt Ion:113 Resp: 95711

Ion Ratio Lower Upper

113 100

111 104.2 82.5 123.7

192 18.1 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.136 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

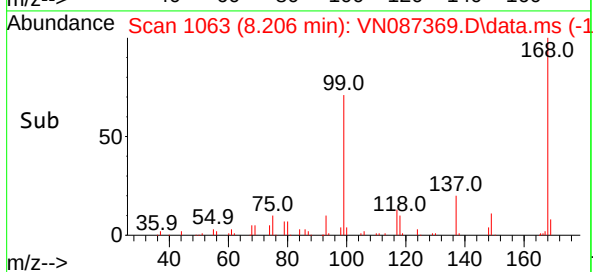
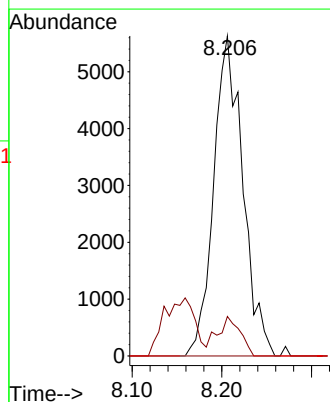
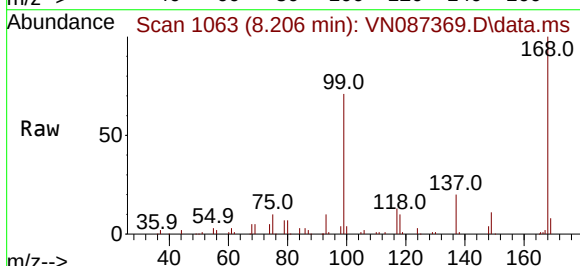
Tgt Ion: 75 Resp: 12670

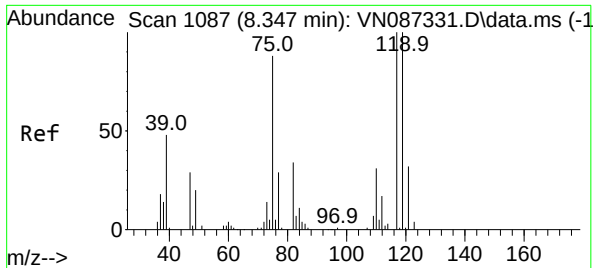
Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.1#

77 0.0 25.2 37.8#

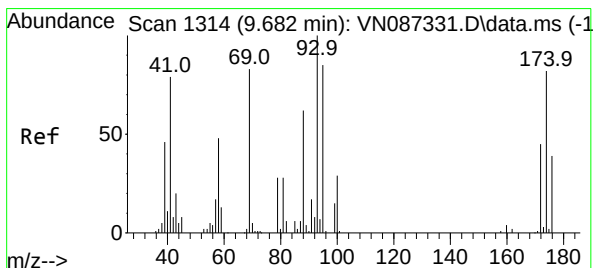
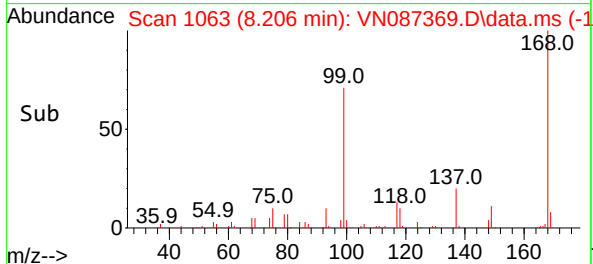
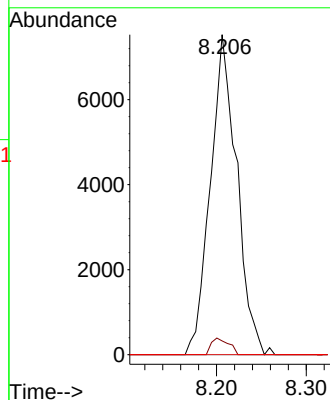
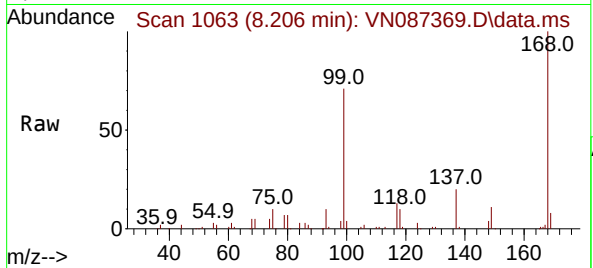




#38
Carbon Tetrachloride
Concen: 5.664 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

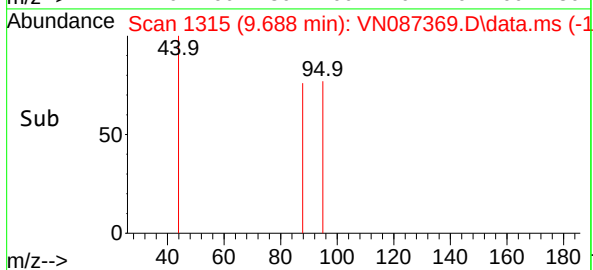
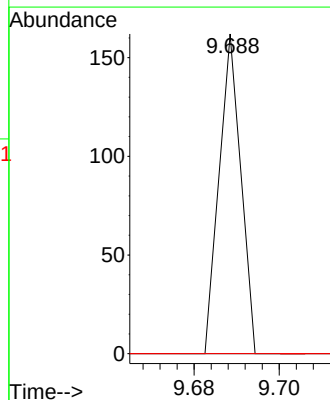
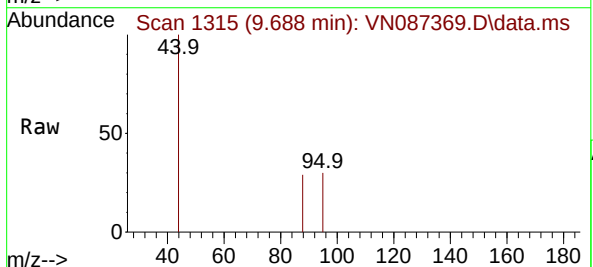
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

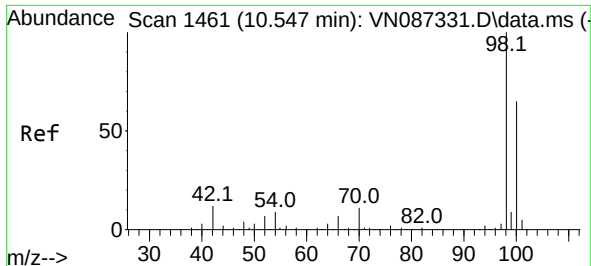
Tgt Ion:117 Resp: 15392
Ion Ratio Lower Upper
117 100
119 4.3 80.2 120.2#
121 0.0 25.4 38.2#



#49
1,4-Dioxane
Concen: 1.495 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 61.1 91.7#

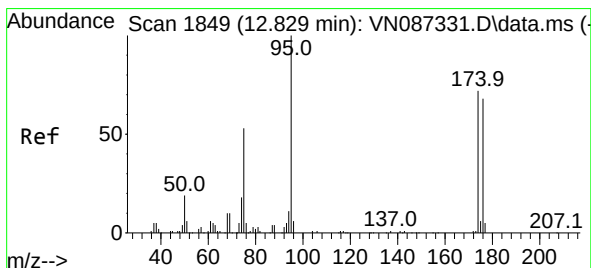
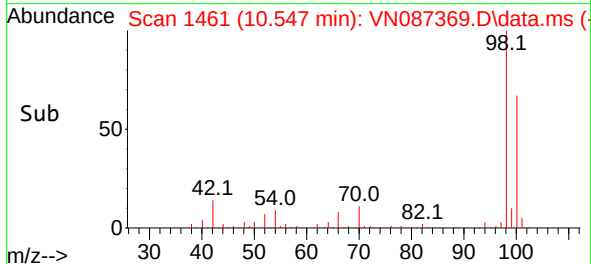
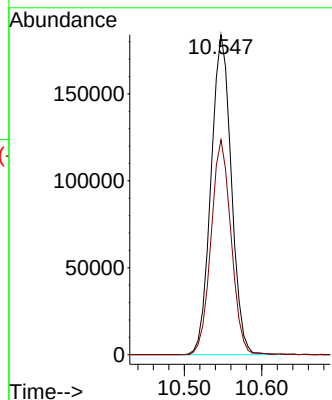
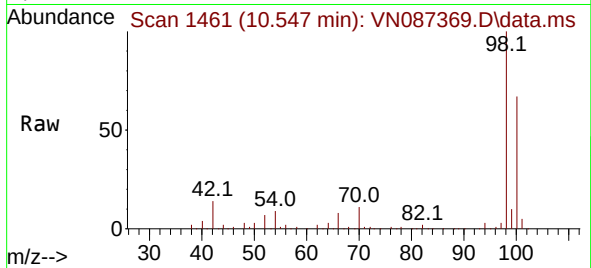




#50
Toluene-d8
Concen: 50.315 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

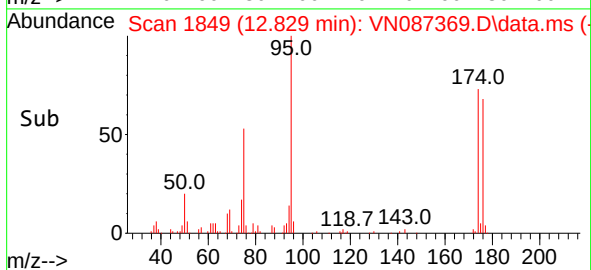
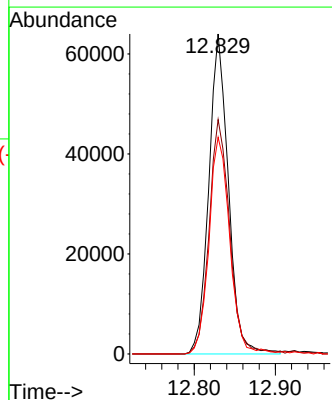
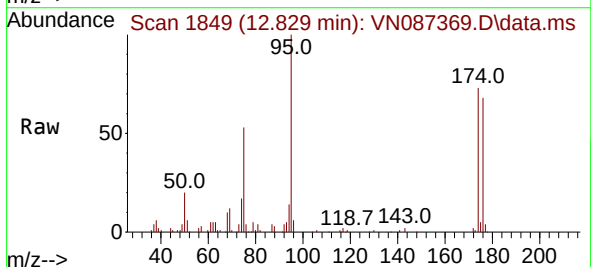
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

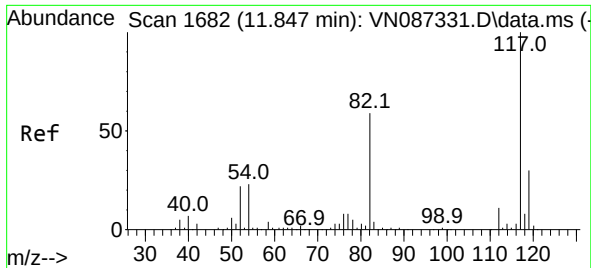
Tgt Ion: 98 Resp: 335145
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.415 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion: 95 Resp: 106840
Ion Ratio Lower Upper
95 100
174 77.8 0.0 149.4
176 72.1 0.0 141.2

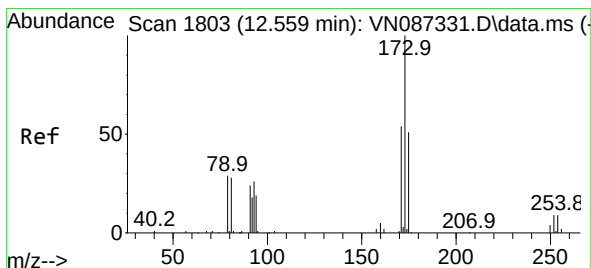
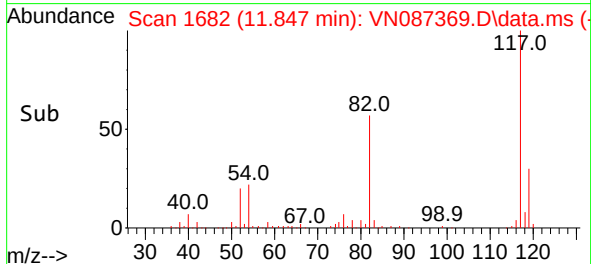
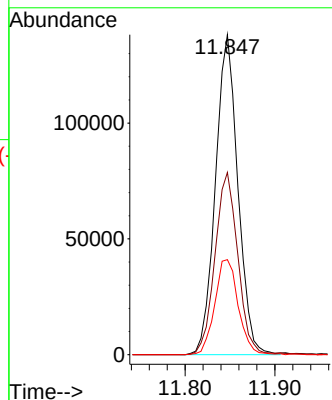
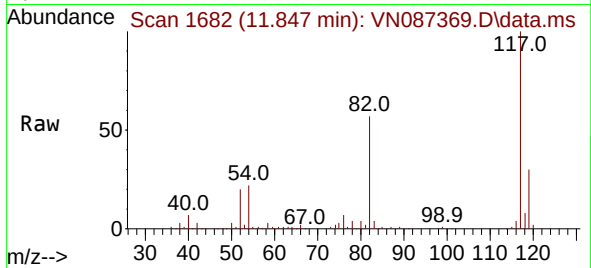




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

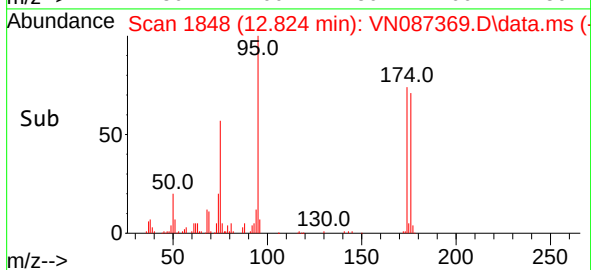
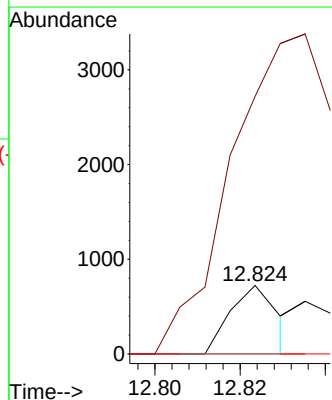
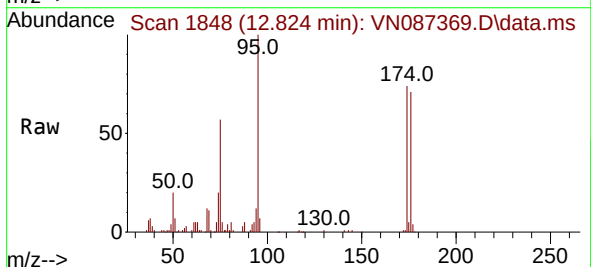
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01

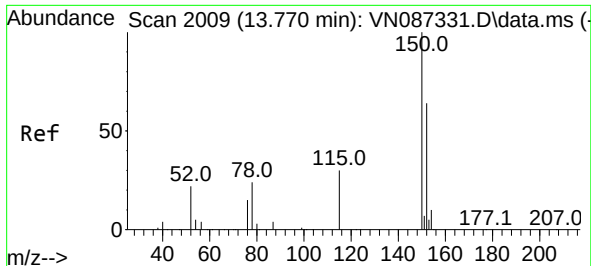
Tgt Ion:117 Resp: 239878
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 29.7 23.8 35.8



#71
Bromoform
Concen: 0.377 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

Tgt Ion:173 Resp: 558
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0

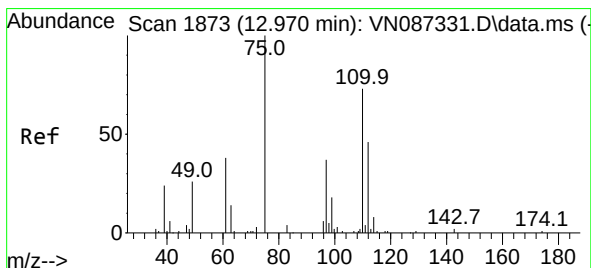
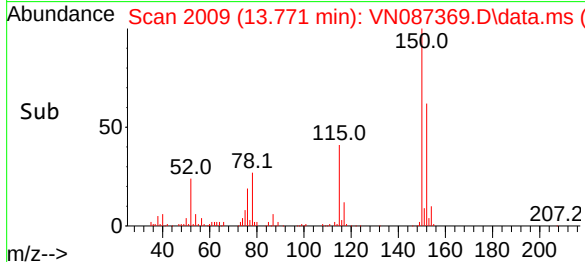
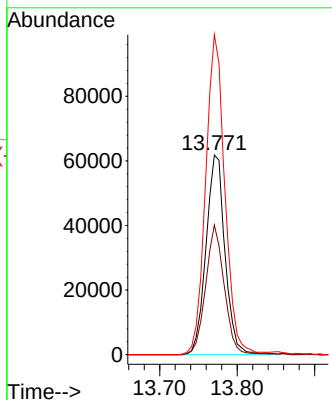
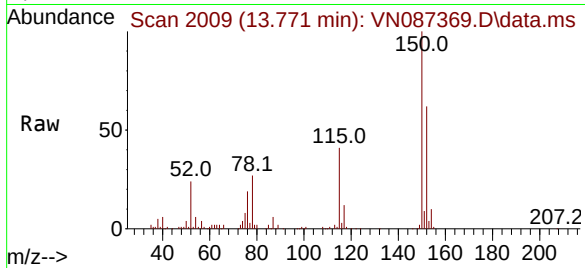




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN087369.D
 Acq: 21 Jul 2025 11:13

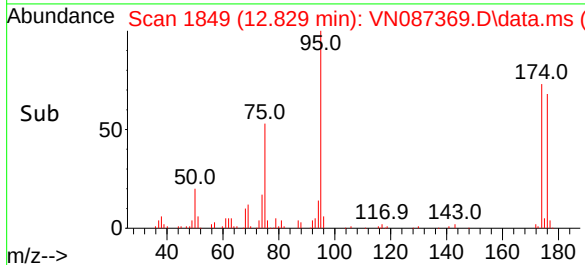
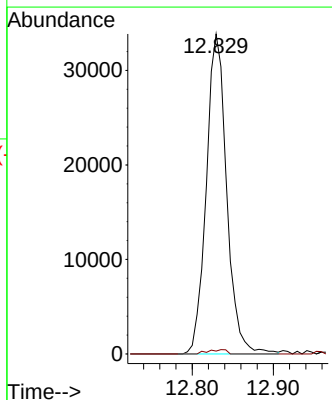
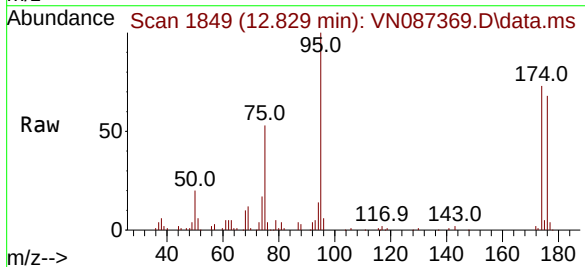
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721MBL01

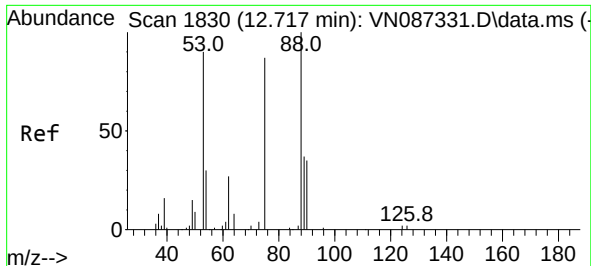
Tgt Ion:152 Resp: 105718
 Ion Ratio Lower Upper
 152 100
 115 63.3 31.1 93.5
 150 161.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.922 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087369.D
 Acq: 21 Jul 2025 11:13

Tgt Ion: 75 Resp: 59080
 Ion Ratio Lower Upper
 75 100
 77 1.2 94.5 283.6#

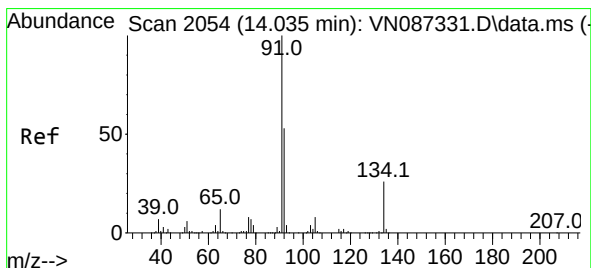
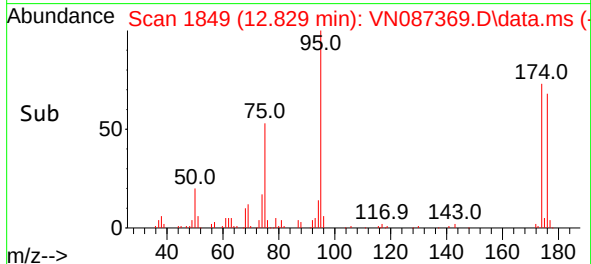
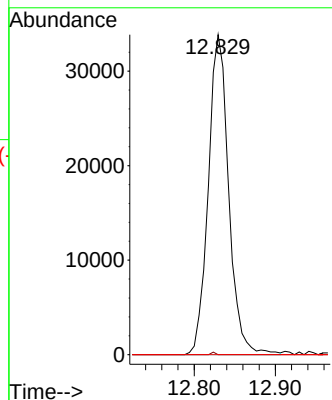
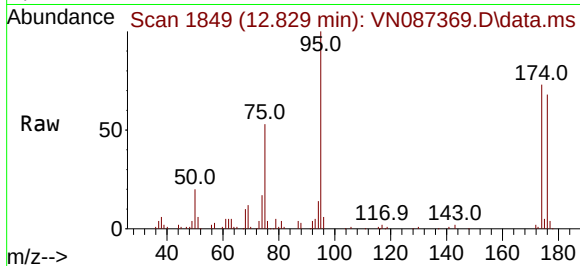




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.189 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087369.D
 Acq: 21 Jul 2025 11:13

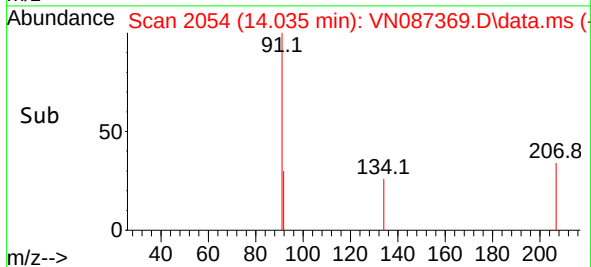
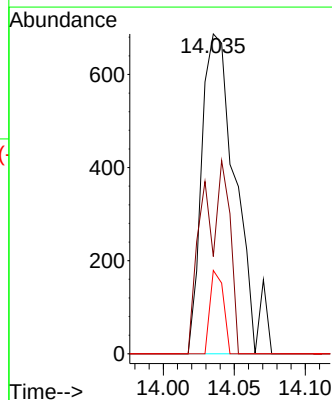
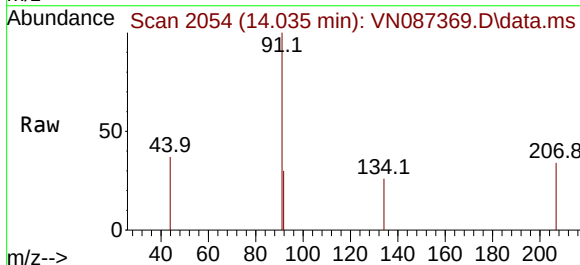
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721MBL01

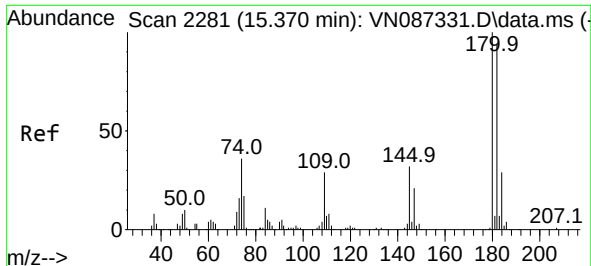
Tgt Ion: 75 Resp: 59080
 Ion Ratio Lower Upper
 75 100
 53 0.2 83.5 125.3#
 89 0.0 38.4 57.6#



#89
 n-Butylbenzene
 Concen: 0.211 ug/l
 RT: 14.035 min Scan# 2054
 Delta R.T. 0.000 min
 Lab File: VN087369.D
 Acq: 21 Jul 2025 11:13

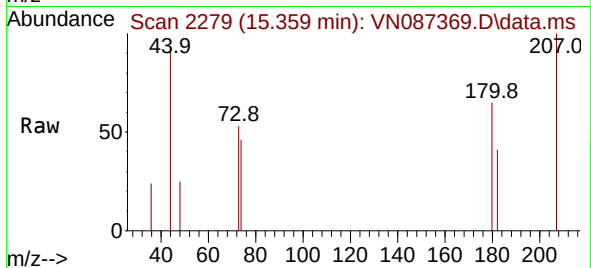
Tgt Ion: 91 Resp: 1152
 Ion Ratio Lower Upper
 91 100
 92 47.0 26.2 78.6
 134 10.2 12.4 37.2#



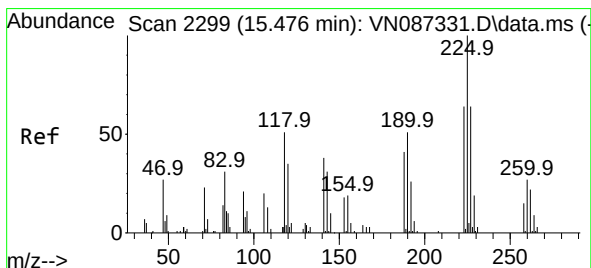
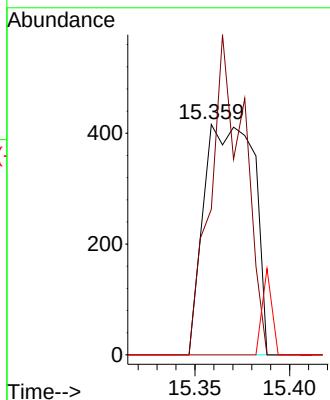
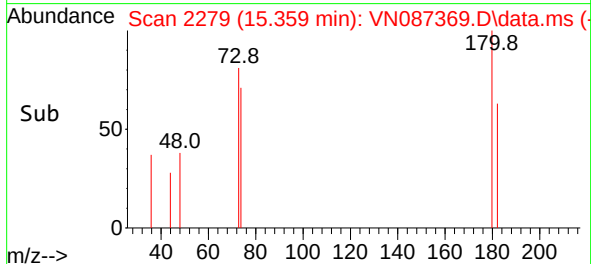


#93
1,2,4-Trichlorobenzene
Concen: 0.406 ug/l
RT: 15.359 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13

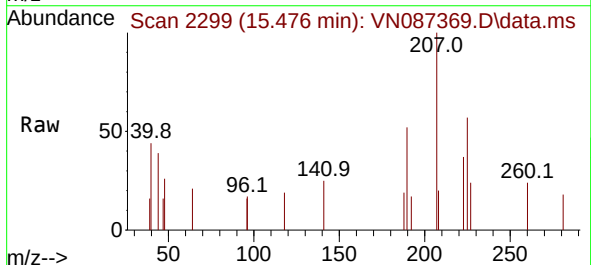
Instrument :
MSVOA_N
ClientSampleId :
VN0721MBL01



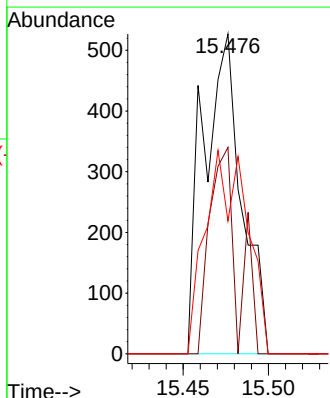
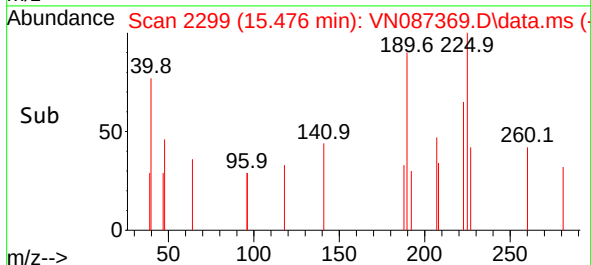
Tgt Ion:180 Resp: 766
Ion Ratio Lower Upper
180 100
182 93.3 47.3 141.8
145 0.0 15.4 46.4#

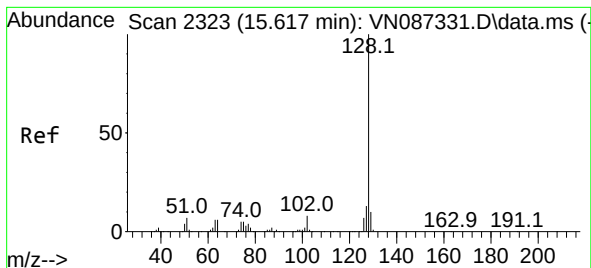


#94
Hexachlorobutadiene
Concen: 1.175 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087369.D
Acq: 21 Jul 2025 11:13



Tgt Ion:225 Resp: 823
Ion Ratio Lower Upper
225 100
223 47.0 32.1 96.3
227 69.1 31.3 93.9





#95

Naphthalene

Concen: 0.566 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0721MBL01

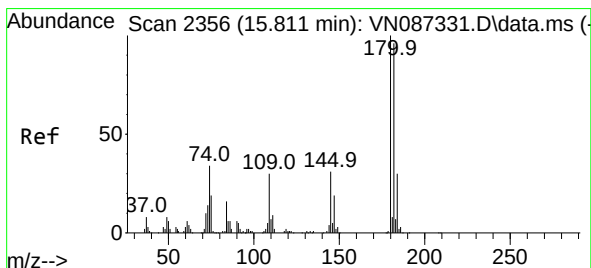
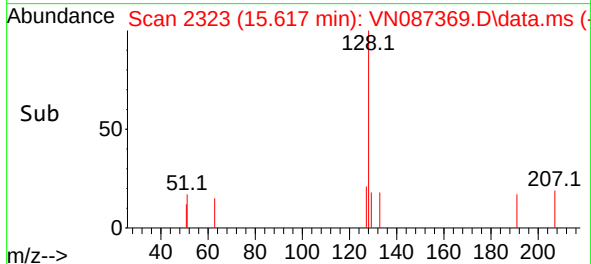
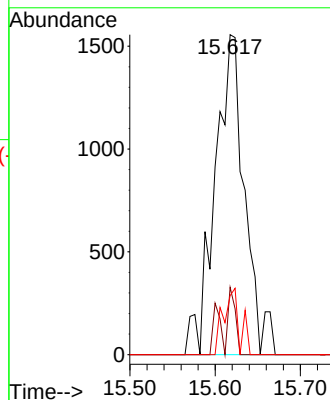
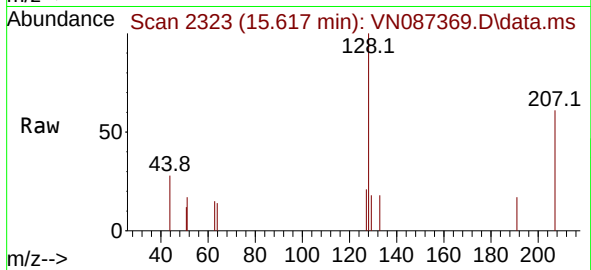
Tgt Ion:128 Resp: 3778

Ion Ratio Lower Upper

128 100

127 5.1 10.5 15.7#

129 11.3 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 0.526 ug/l

RT: 15.806 min Scan# 2355

Delta R.T. -0.006 min

Lab File: VN087369.D

Acq: 21 Jul 2025 11:13

Tgt Ion:180 Resp: 995

Ion Ratio Lower Upper

180 100

182 83.6 47.1 141.4

145 18.1 16.9 50.6

