

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087370.D
 Acq On : 21 Jul 2025 11:34
 Operator : JC\MD
 Sample : VN0721WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBL01

Quant Time: Jul 22 03:04:14 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	164239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	328305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	300772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	133337	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152384	54.681	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.360%
35) Dibromofluoromethane	8.153	113	116283	51.347	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.700%
50) Toluene-d8	10.547	98	411775	50.973	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.940%
62) 4-Bromofluorobenzene	12.829	95	138566	46.428	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.860%

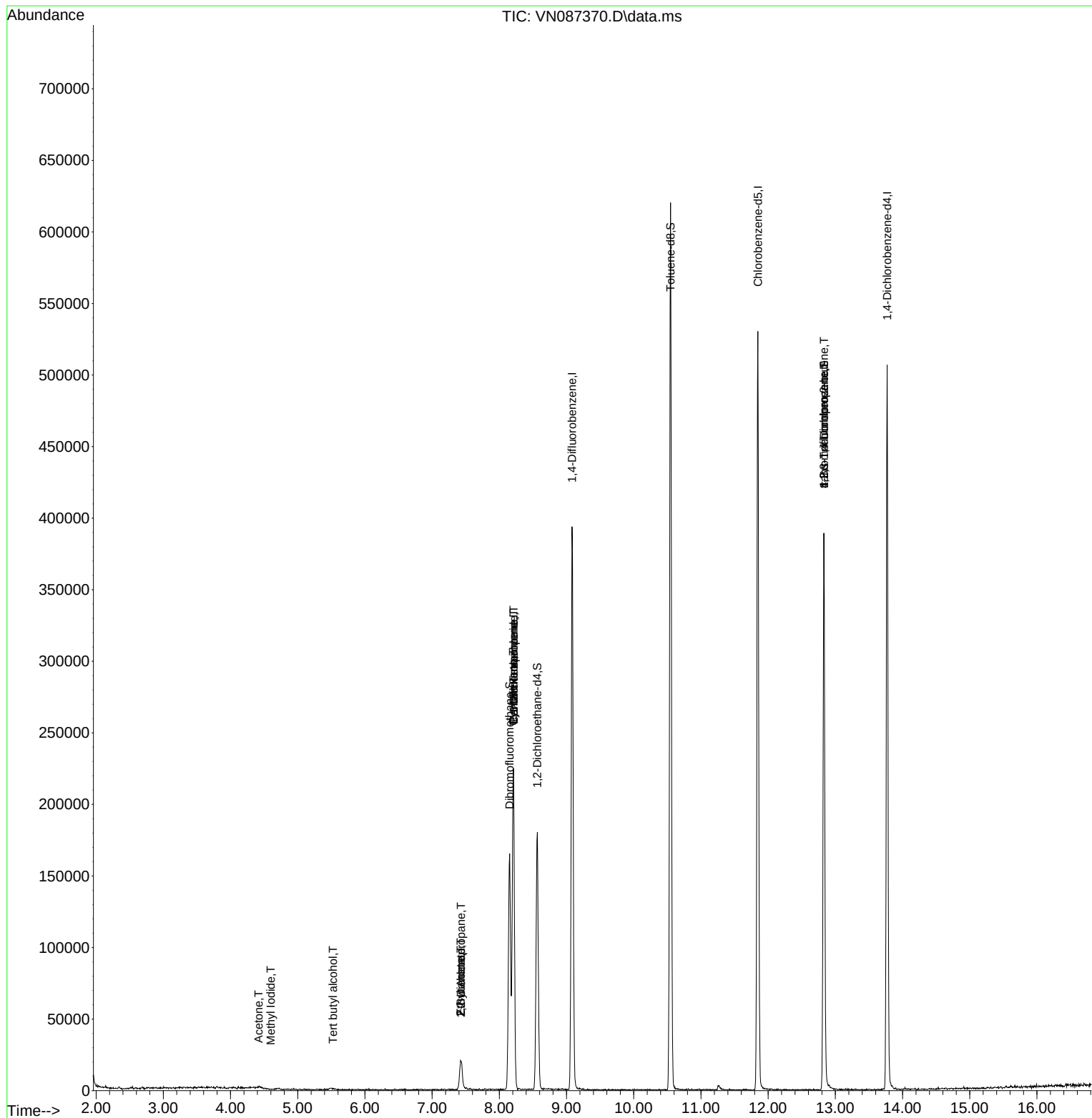
Target Compounds					Qvalue	
10) Methyl Iodide	4.601	142	130	5.699	ug/l #	40
11) Tert butyl alcohol	5.524	59	238	0.450	ug/l #	72
16) Acetone	4.418	43	828	0.634	ug/l #	47
25) 2-Butanone	7.424	43	996	0.493	ug/l #	51
26) 2,2-Dichloropropane	7.430	77	1510	0.473	ug/l #	54
31) Cyclohexane	8.206	56	3806	1.111	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	14262	4.767	ug/l #	50
37) Ethyl Acetate	7.424	43	996	0.230	ug/l #	28
38) Carbon Tetrachloride	8.212	117	17222	5.225	ug/l #	17
76) 1,2,3-Trichloropropane	12.829	75	71917	24.053	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	71917	65.812	ug/l #	8

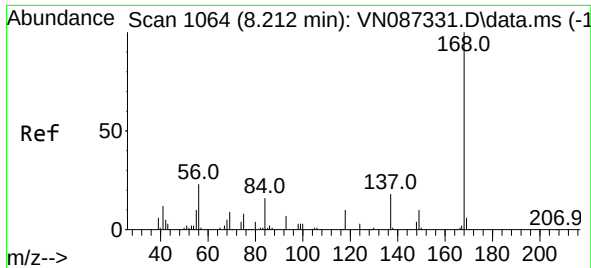
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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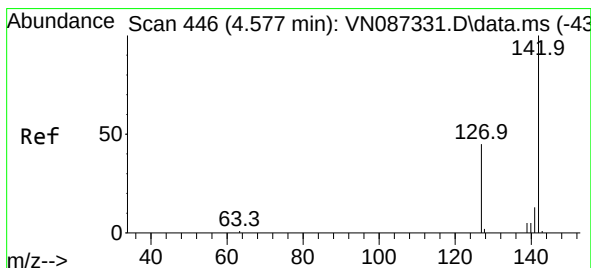
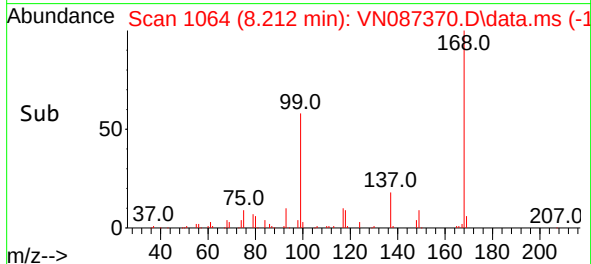
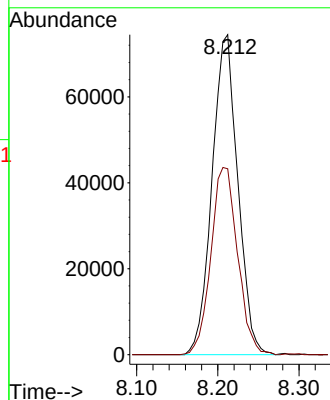
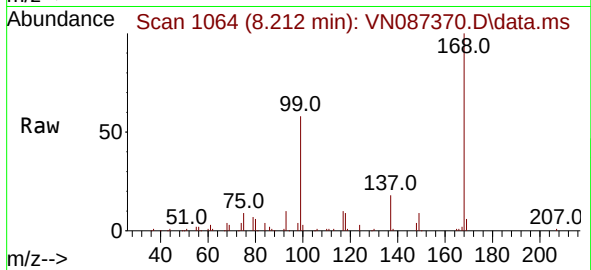




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

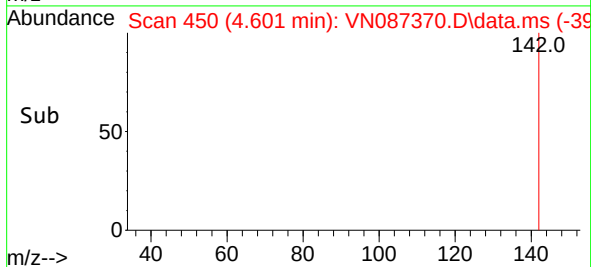
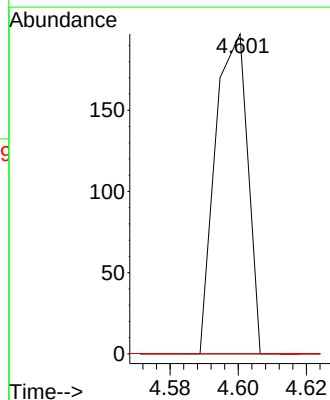
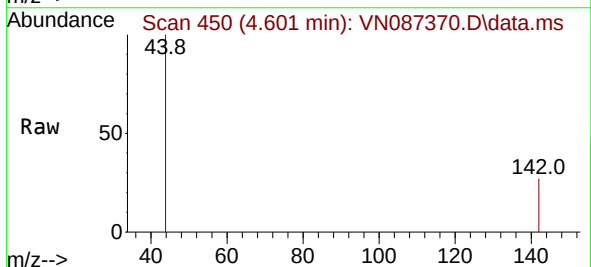
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

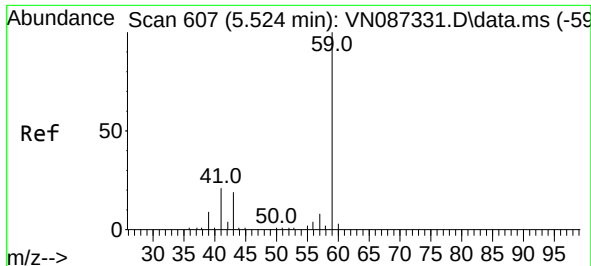
Tgt Ion:168 Resp: 164239
Ion Ratio Lower Upper
168 100
99 58.1 47.9 71.9



#10
Methyl Iodide
Concen: 5.699 ug/l
RT: 4.601 min Scan# 450
Delta R.T. 0.024 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:142 Resp: 130
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#

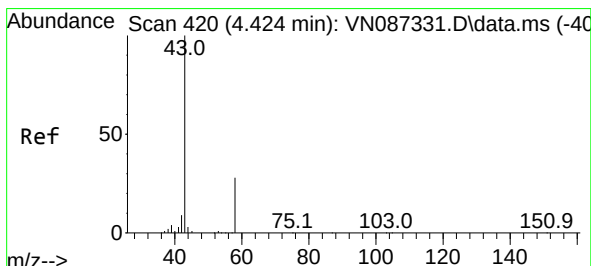
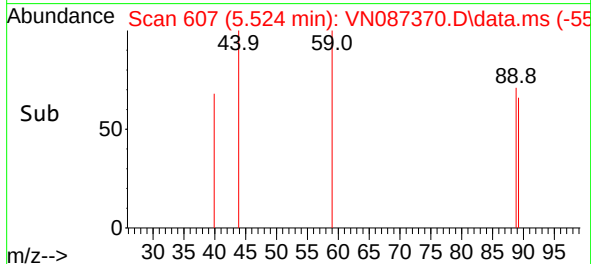
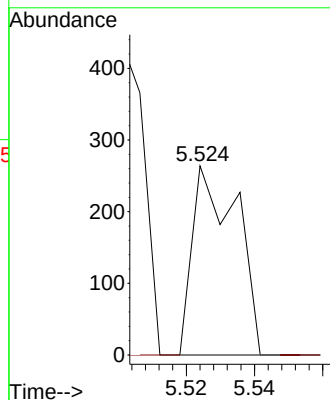
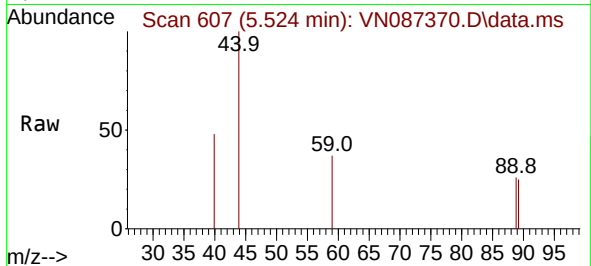




#11
Tert butyl alcohol
Concen: 0.450 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

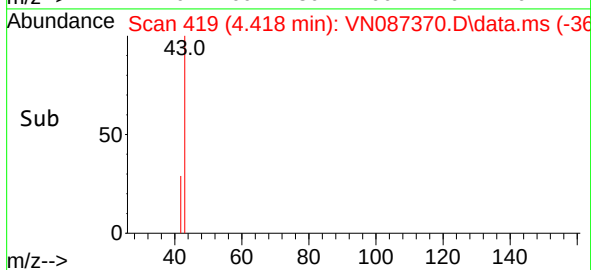
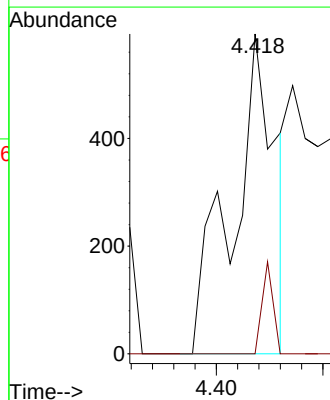
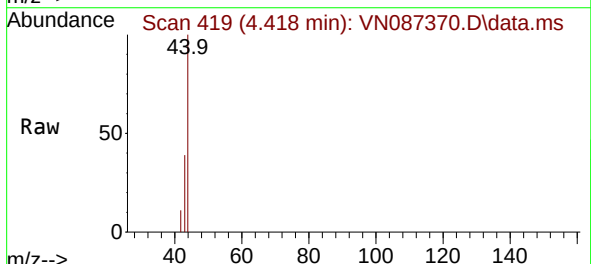
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

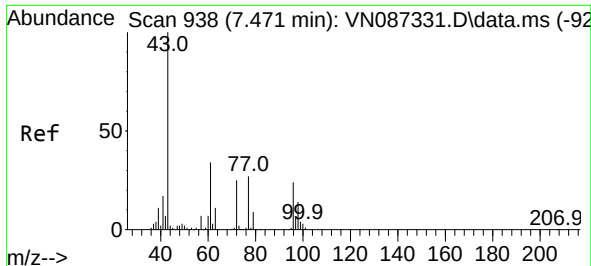
Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.634 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#

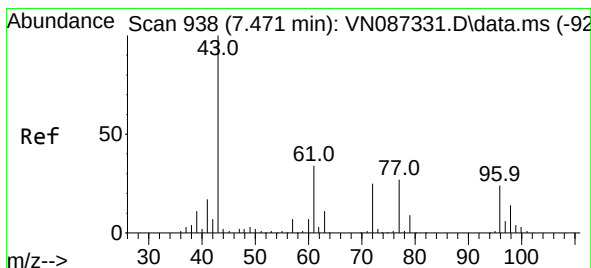
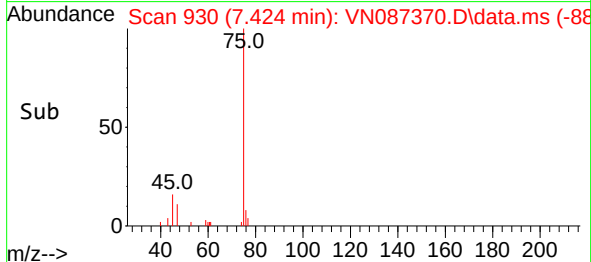
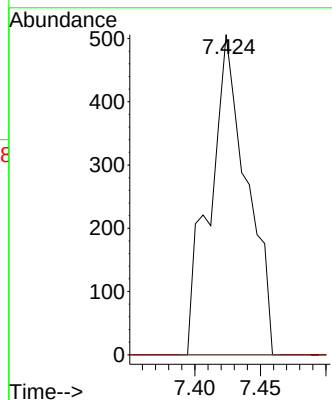
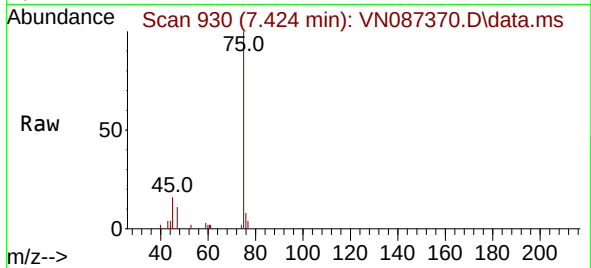




#25
2-Butanone
Concen: 0.493 ug/l
RT: 7.424 min Scan# 91
Delta R.T. -0.047 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

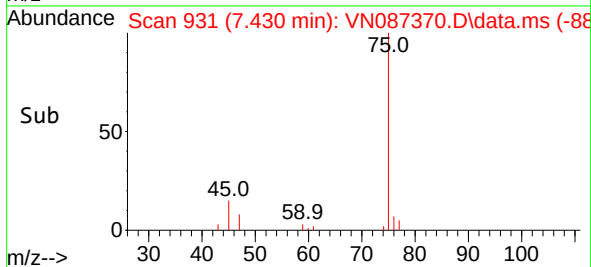
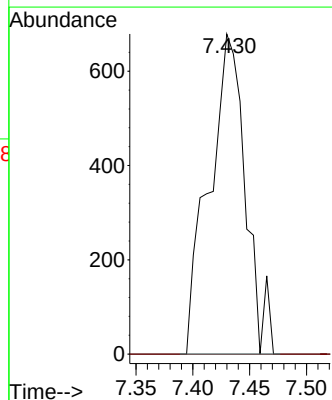
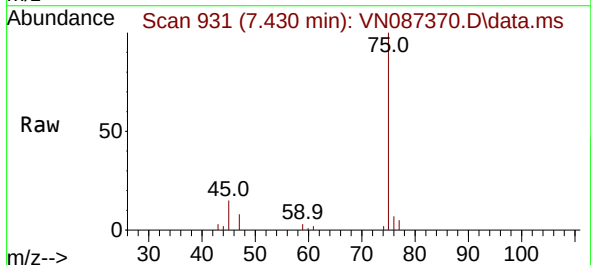
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

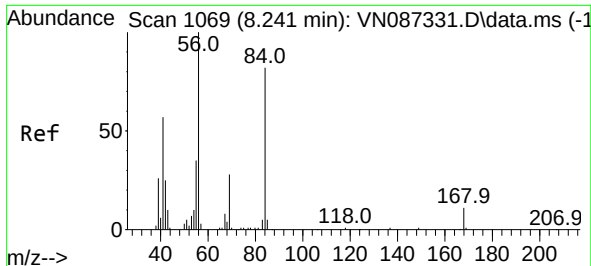
Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#26
2,2-Dichloropropane
Concen: 0.473 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.041 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 77 Resp: 1510
Ion Ratio Lower Upper
77 100
97 0.0 11.1 33.1#

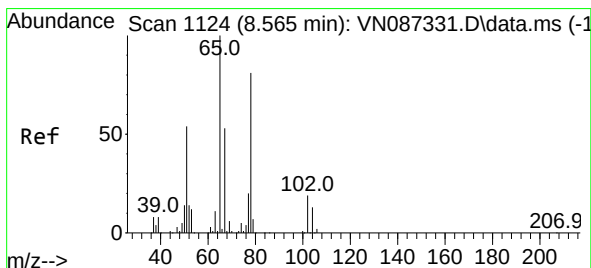
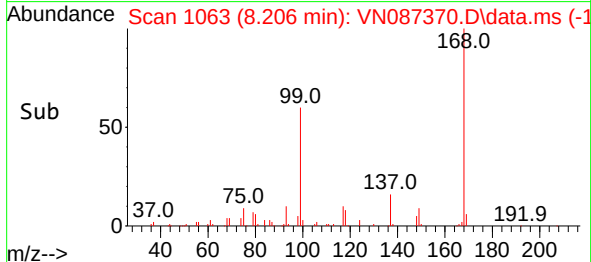
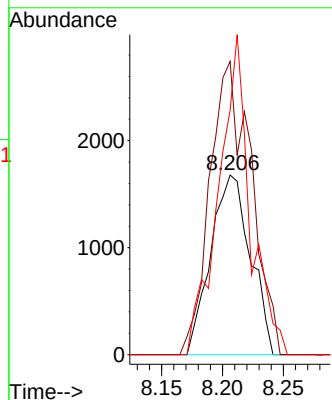
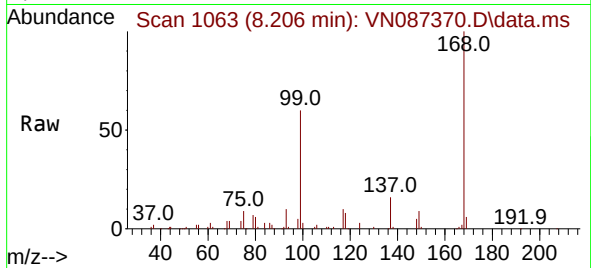




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

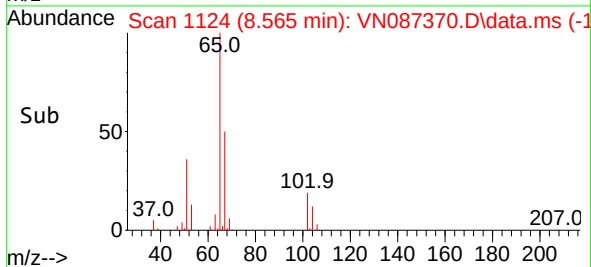
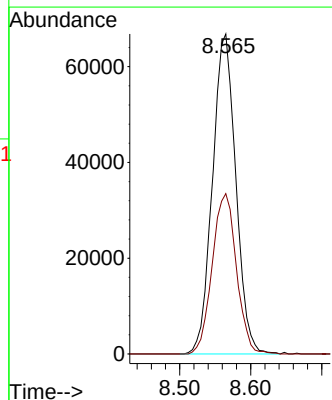
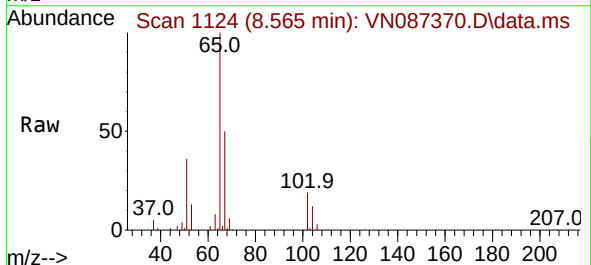
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

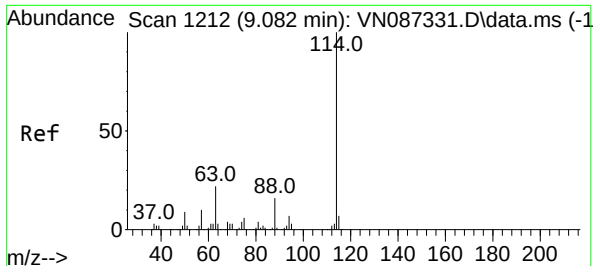
Tgt Ion: 56 Resp: 3806
Ion Ratio Lower Upper
56 100
69 163.3 22.7 34.1#
84 136.0 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 54.681 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 65 Resp: 152384
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN087370.D

Acq: 21 Jul 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBL01

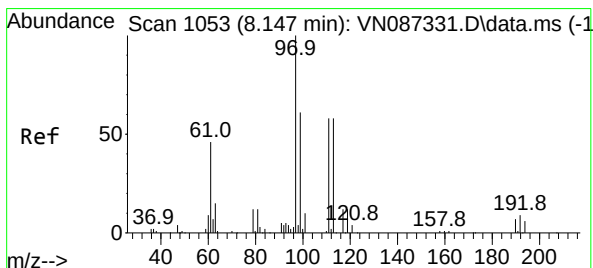
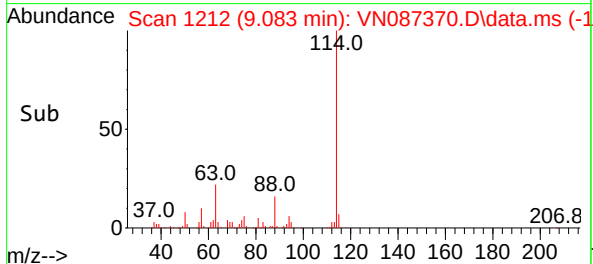
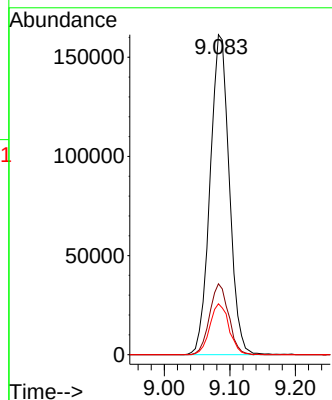
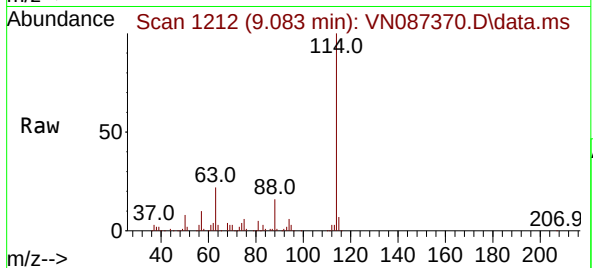
Tgt Ion:114 Resp: 328305

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 15.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.347 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087370.D

Acq: 21 Jul 2025 11:34

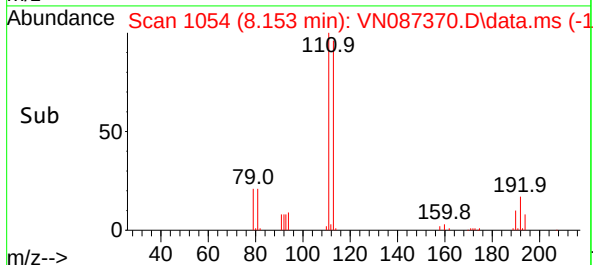
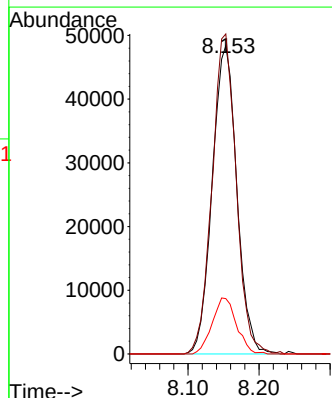
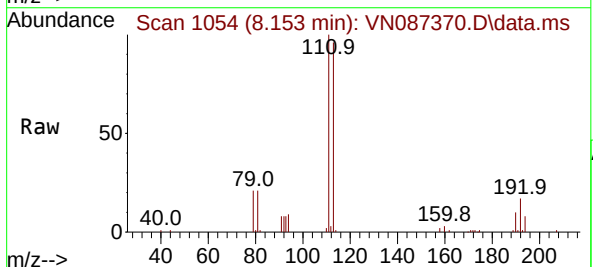
Tgt Ion:113 Resp: 116283

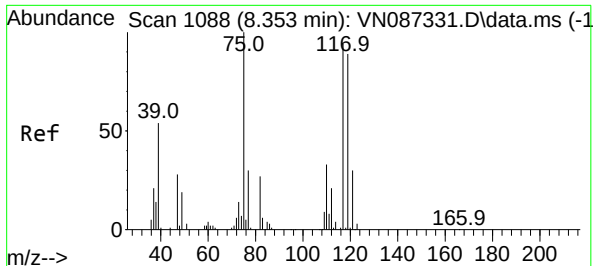
Ion Ratio Lower Upper

113 100

111 101.7 82.5 123.7

192 18.0 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.767 ug/l

RT: 8.212 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN087370.D

Acq: 21 Jul 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0721WBL01

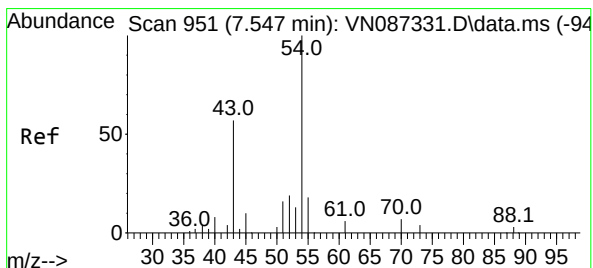
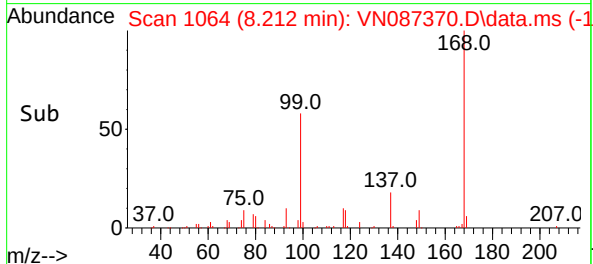
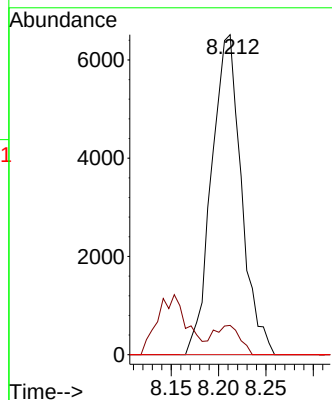
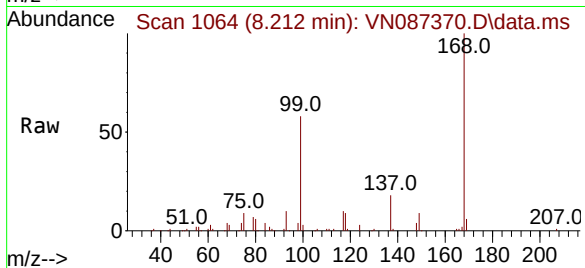
Tgt Ion: 75 Resp: 14262

Ion Ratio Lower Upper

75 100

110 8.4 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 0.230 ug/l

RT: 7.424 min Scan# 930

Delta R.T. -0.123 min

Lab File: VN087370.D

Acq: 21 Jul 2025 11:34

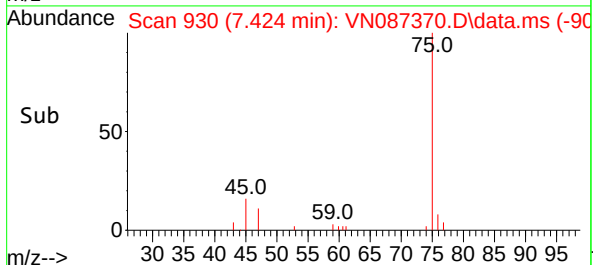
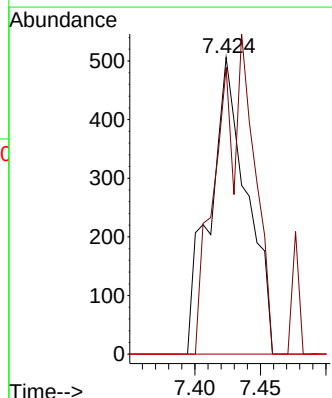
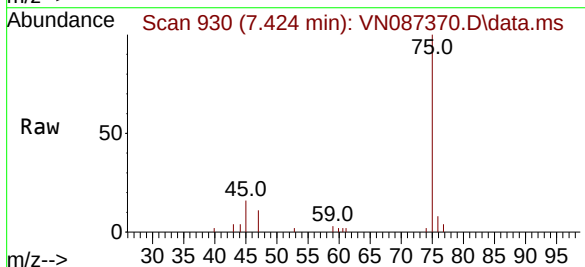
Tgt Ion: 43 Resp: 996

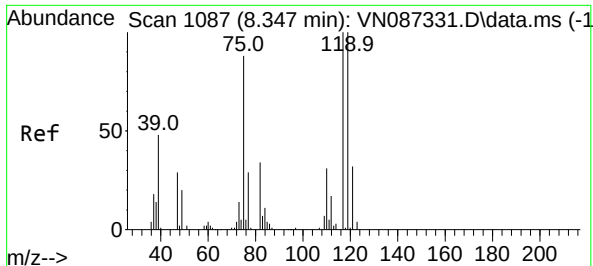
Ion Ratio Lower Upper

43 100

61 55.4 10.9 16.3#

70 0.0 7.4 11.0#

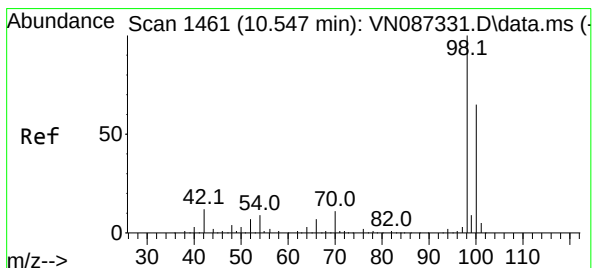
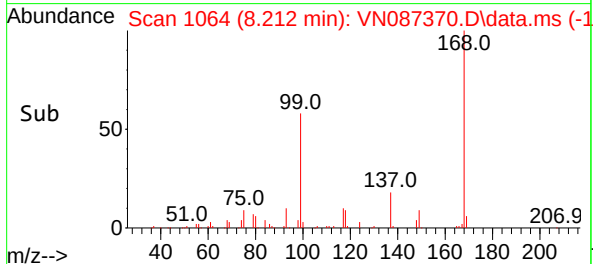
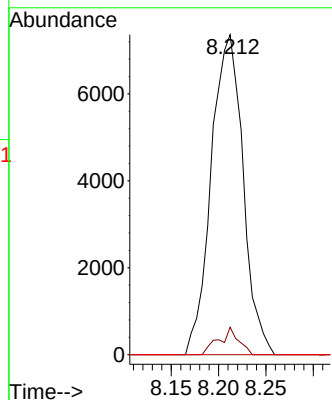
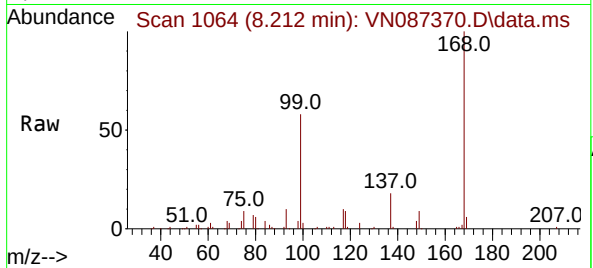




#38
Carbon Tetrachloride
Concen: 5.225 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

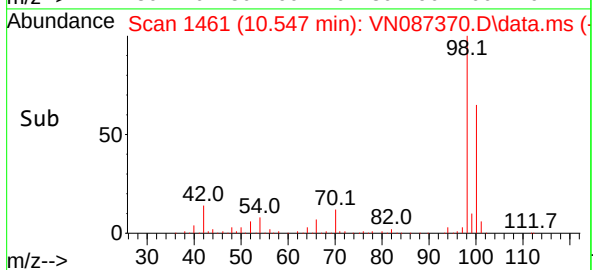
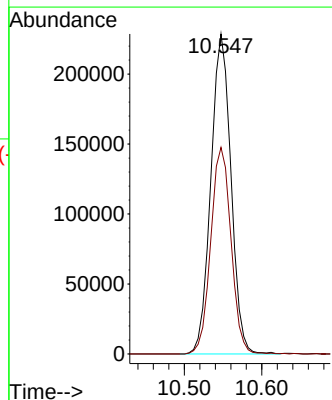
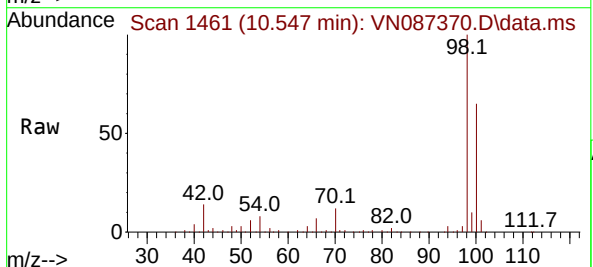
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

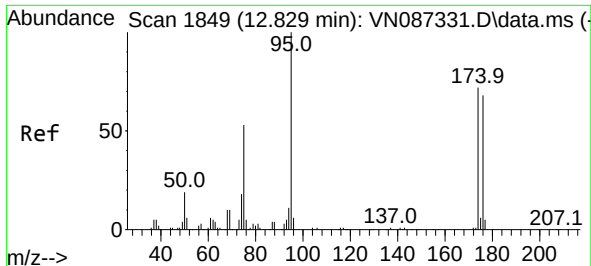
Tgt Ion:117 Resp: 17222
Ion Ratio Lower Upper
117 100
119 8.6 80.2 120.2#
121 0.0 25.4 38.2#



#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 98 Resp: 411775
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

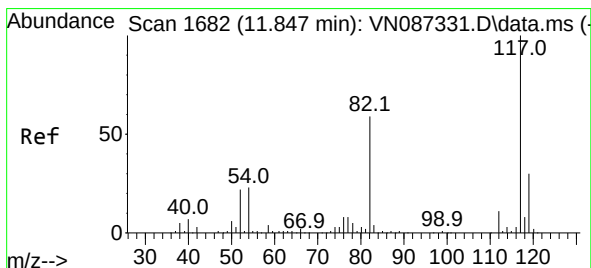
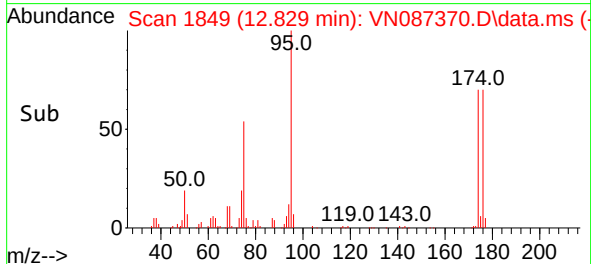
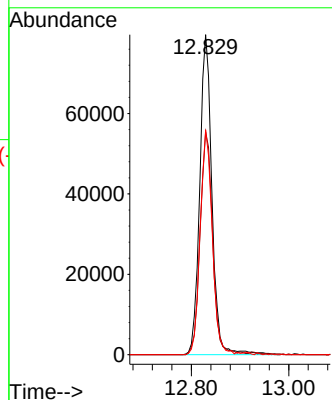
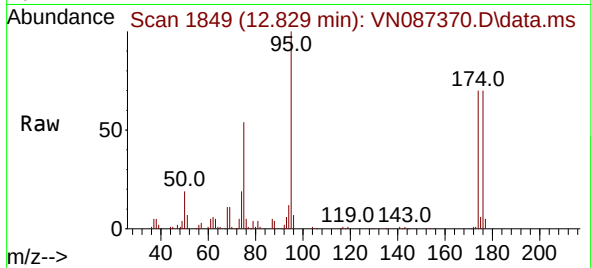




#62
4-Bromofluorobenzene
Concen: 46.428 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

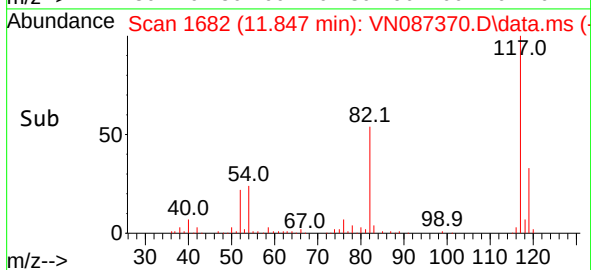
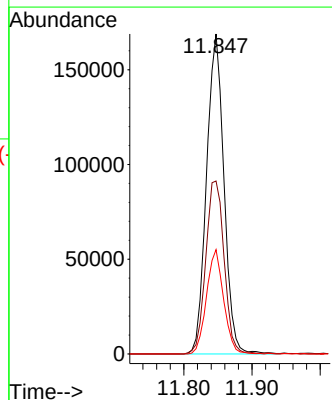
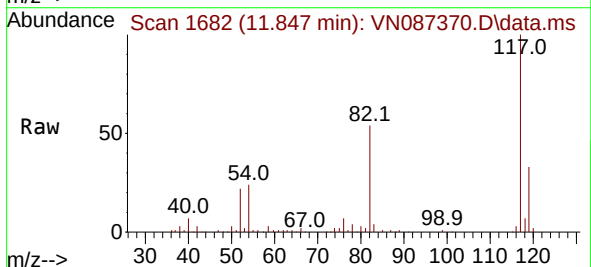
Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

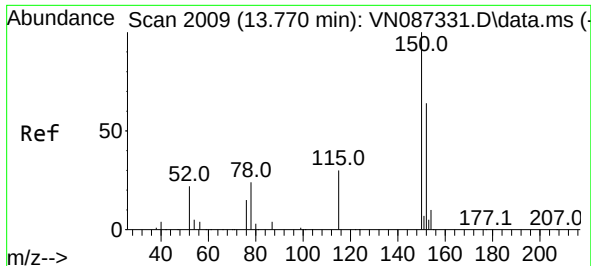
Tgt Ion: 95 Resp: 138566
Ion Ratio Lower Upper
95 100
174 71.3 0.0 149.4
176 70.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 117 Resp: 300772
Ion Ratio Lower Upper
117 100
82 54.1 47.4 71.2
119 32.6 23.8 35.8

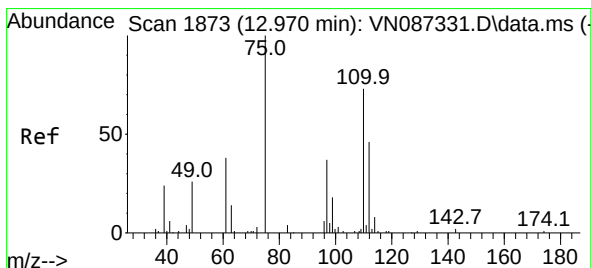
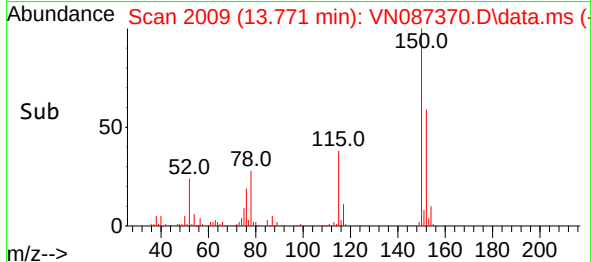
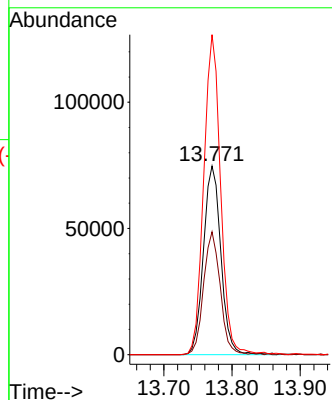
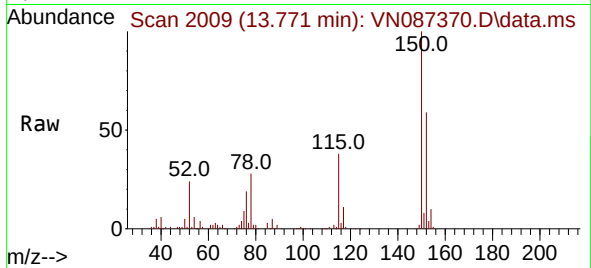




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN087370.D
 Acq: 21 Jul 2025 11:34

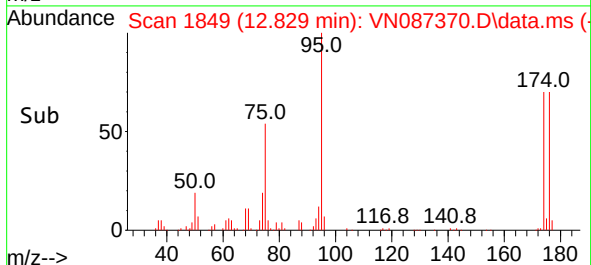
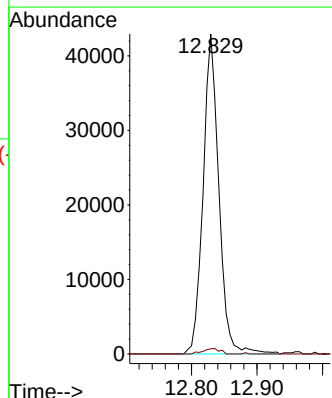
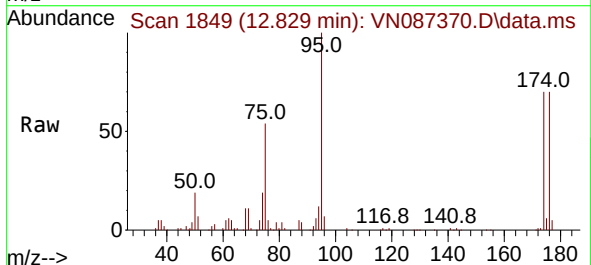
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBL01

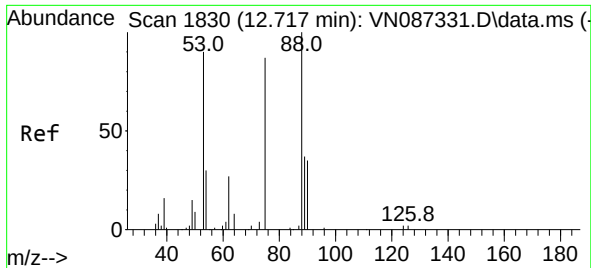
Tgt Ion:152 Resp: 133337
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.1 93.5
 150 164.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.053 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087370.D
 Acq: 21 Jul 2025 11:34

Tgt Ion: 75 Resp: 71917
 Ion Ratio Lower Upper
 75 100
 77 1.8 94.5 283.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 65.812 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion: 75 Resp: 71917
Ion Ratio Lower Upper
75 100
53 0.2 83.5 125.3#
89 0.0 38.4 57.6#

