

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088129.D
 Acq On : 28 Oct 2025 11:17
 Operator : JC\MD
 Sample : VN1028WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBL01

Quant Time: Oct 29 02:18:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

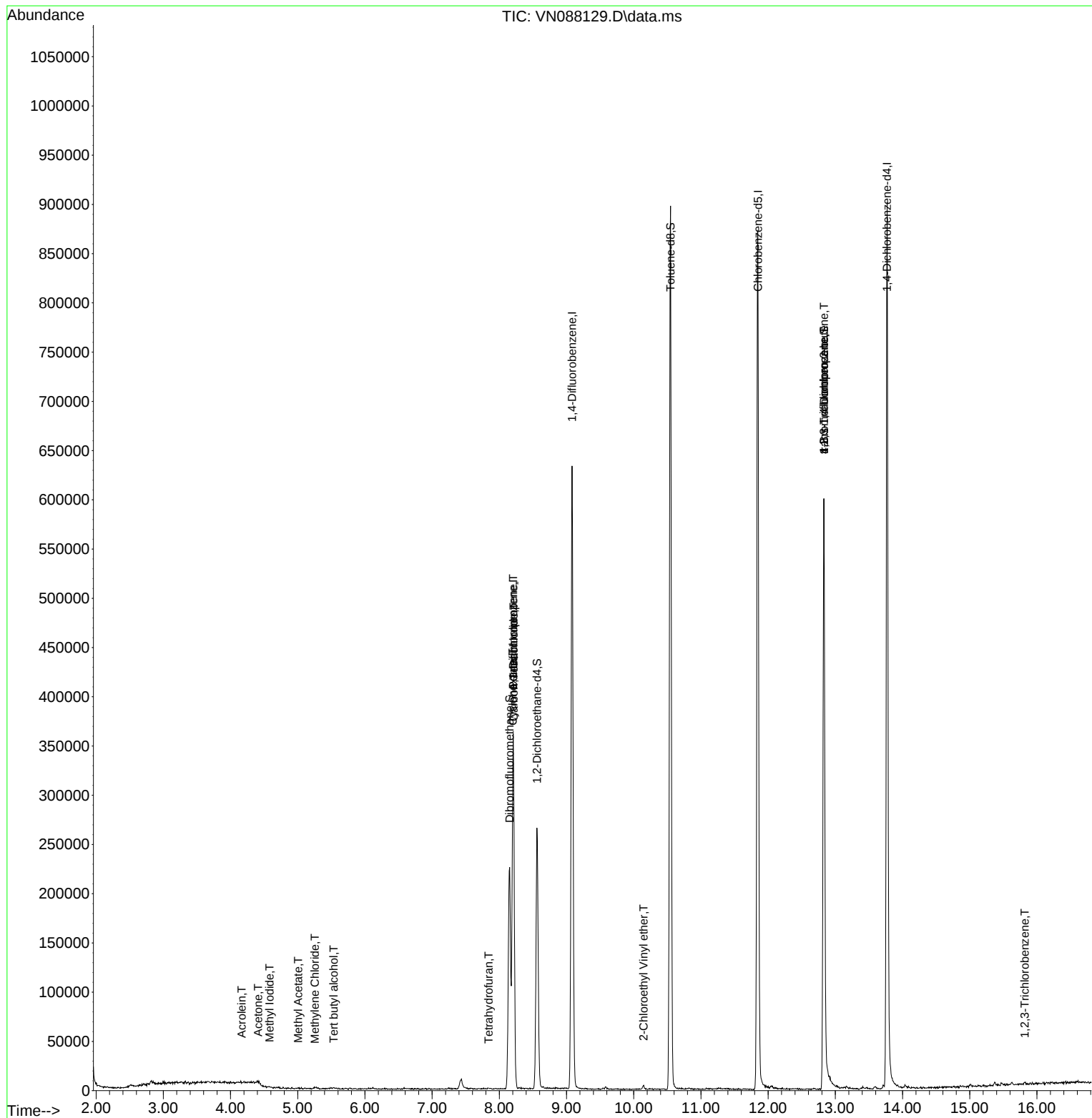
Internal Standards						
1) Pentafluorobenzene	8.206	168	231261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	516618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	484454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	238378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	219109	54.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.580%			
35) Dibromofluoromethane	8.153	113	162498	46.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.640%			
50) Toluene-d8	10.547	98	598983	44.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.580%			
62) 4-Bromofluorobenzene	12.829	95	227915	48.258	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.520%			
Target Compounds						Qvalue
10) Methyl Iodide	4.583	142	69	4.234	ug/l #	38
11) Tert butyl alcohol	5.536	59	585	0.849	ug/l #	71
13) Acrolein	4.165	56	290	0.374	ug/l #	14
16) Acetone	4.412	43	546	0.272	ug/l #	88
18) Methyl Acetate	5.006	43	971	0.236	ug/l #	54
20) Methylene Chloride	5.253	84	1204	1.152	ug/l #	65
29) Tetrahydrofuran	7.841	42	387	0.224	ug/l #	49
31) Cyclohexane	8.200	56	8189	1.463	ug/l #	64
36) 1,1-Dichloropropene	8.206	75	23786	4.694	ug/l #	51
38) Carbon Tetrachloride	8.212	117	28792	5.501	ug/l #	14
58) 2-Chloroethyl Vinyl ether	10.147	63	1761	0.593	ug/l	98
76) 1,2,3-Trichloropropane	12.829	75	131138	24.062	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	131138	67.121	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.817	180	1179	0.266	ug/l #	58

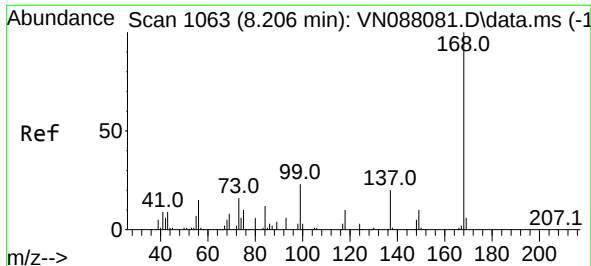
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

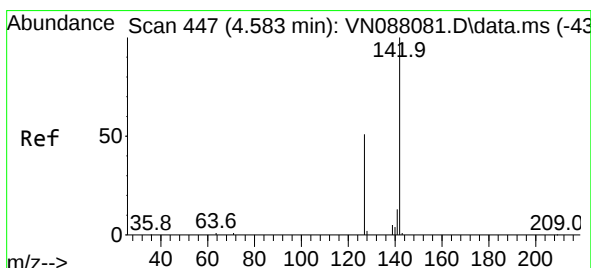
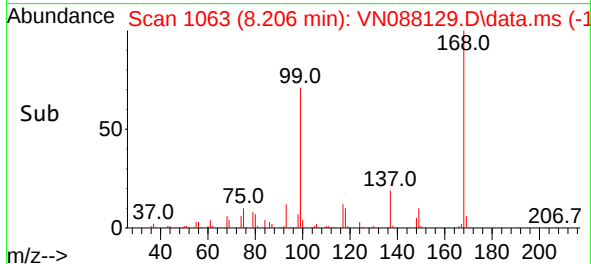
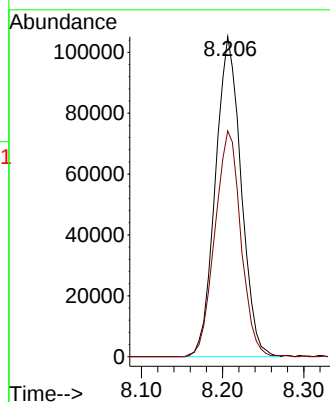
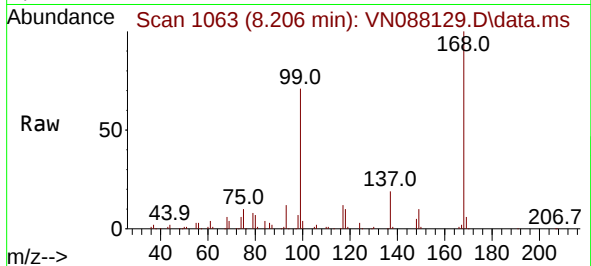




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

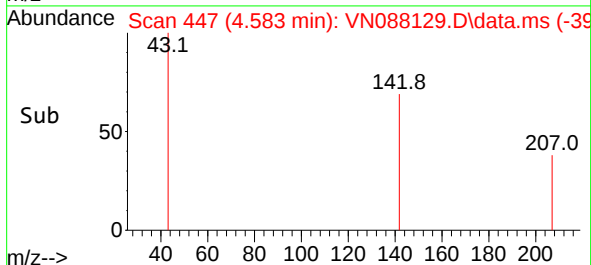
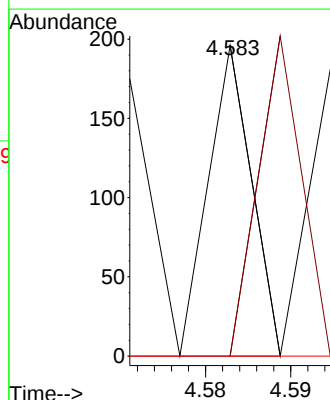
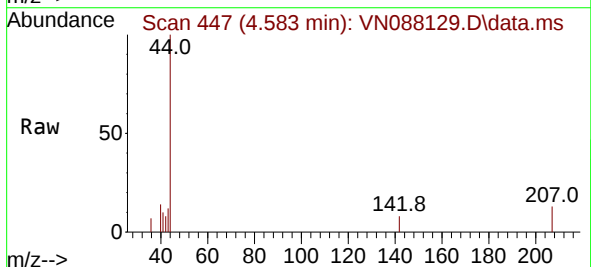
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

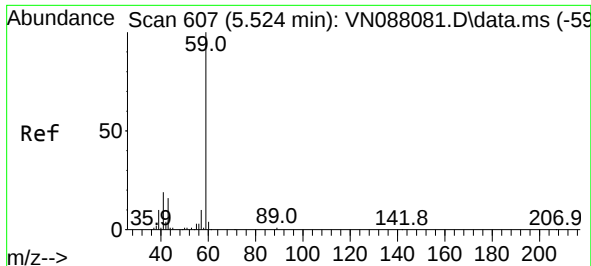
Tgt Ion:168 Resp: 231261
Ion Ratio Lower Upper
168 100
99 70.5 57.2 85.8



#10
Methyl Iodide
Concen: 4.234 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

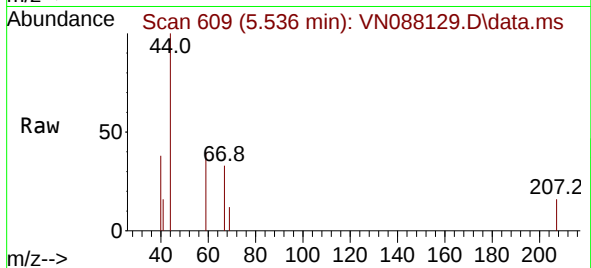
Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



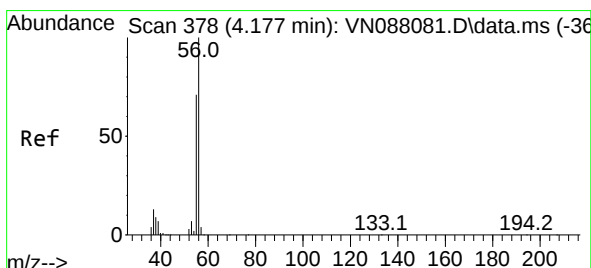
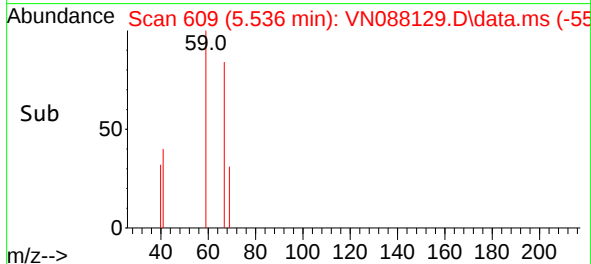
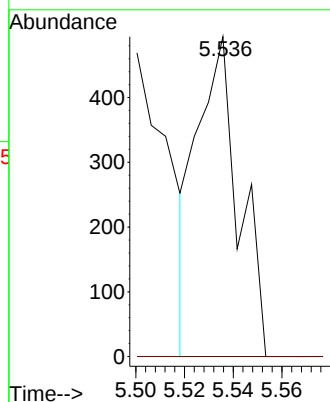


#11
Tert butyl alcohol
Concen: 0.849 ug/l
RT: 5.536 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

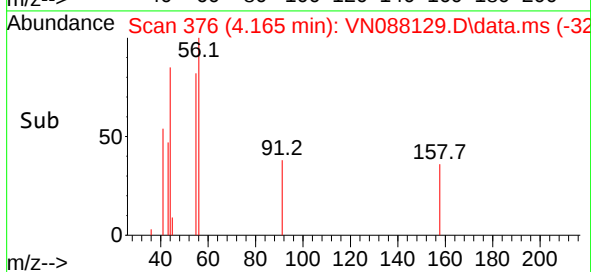
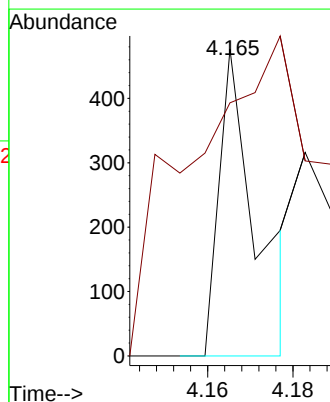
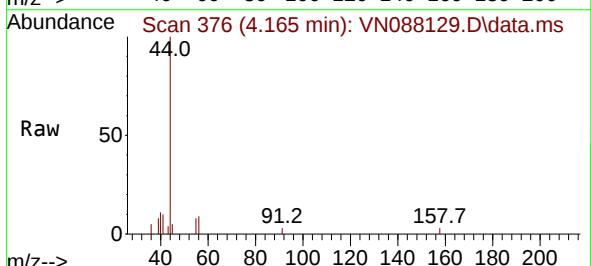


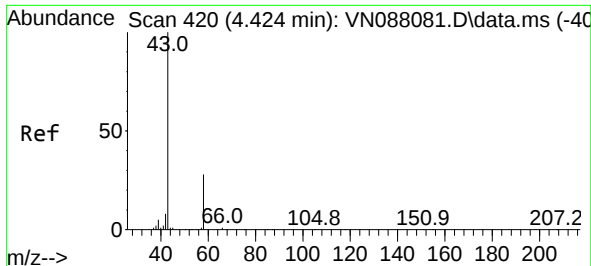
Tgt Ion: 59 Resp: 585
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 0.374 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#

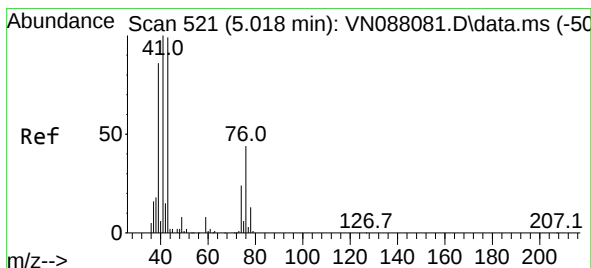
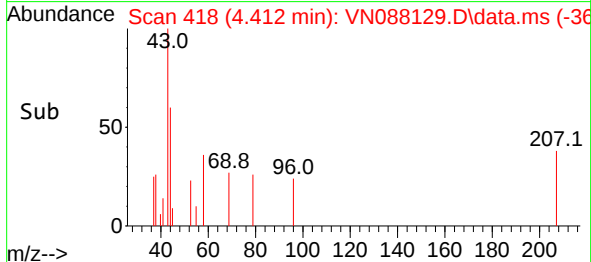
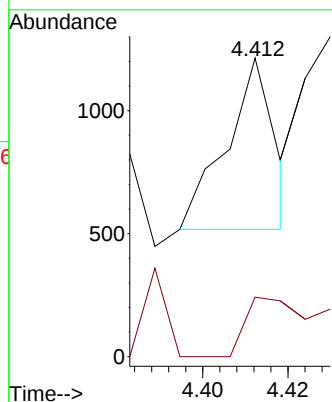
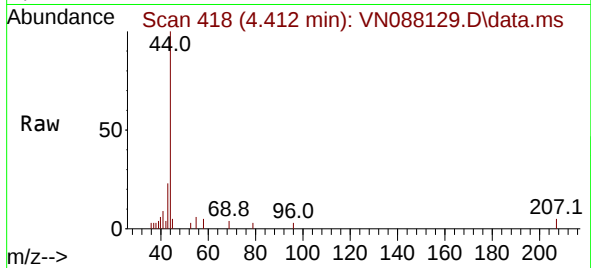




#16
Acetone
Concen: 0.272 ug/l
RT: 4.412 min Scan# 411
Delta R.T. -0.012 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

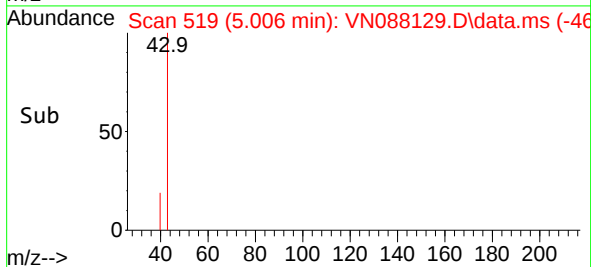
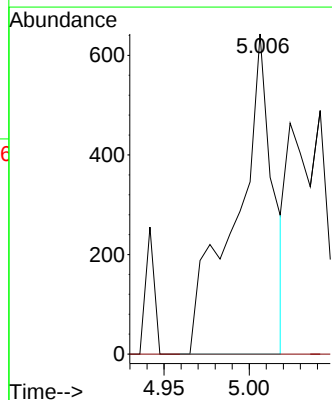
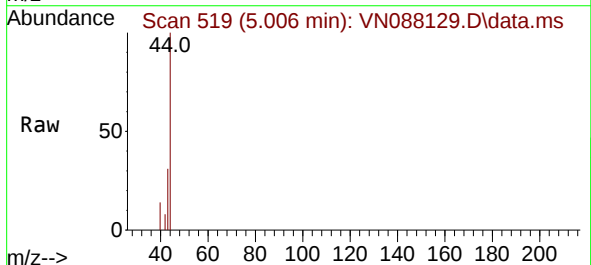
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

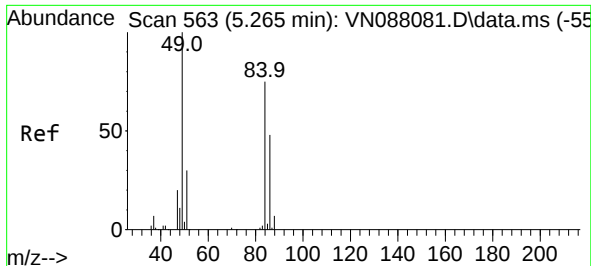
Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
58 34.8 22.6 33.8#



#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

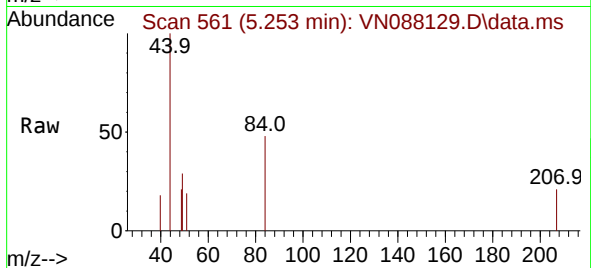
Tgt Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



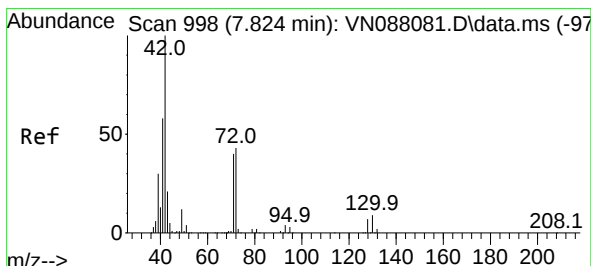
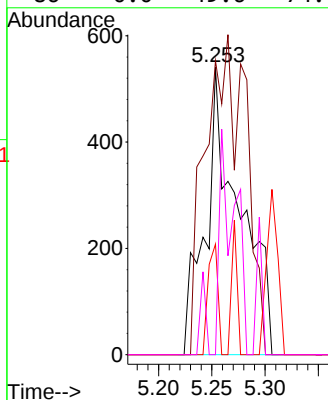
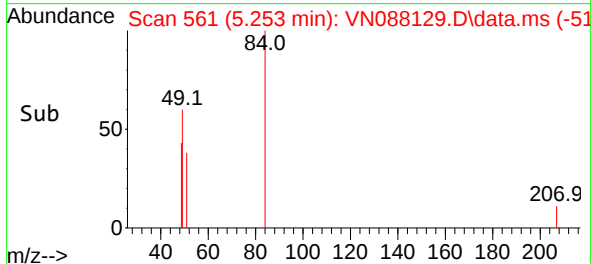


#20
Methylene Chloride
Concen: 1.152 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

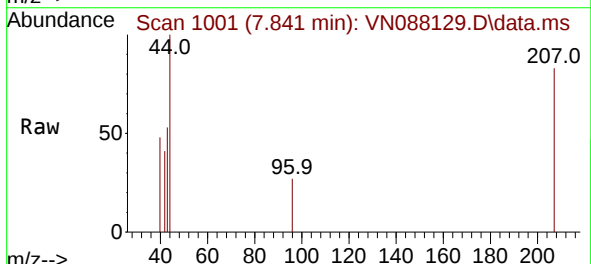
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01



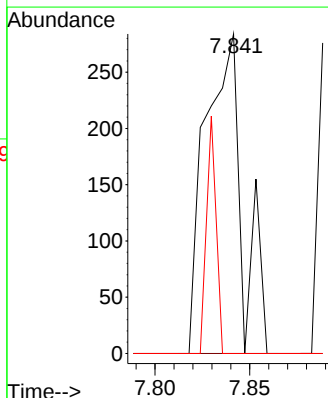
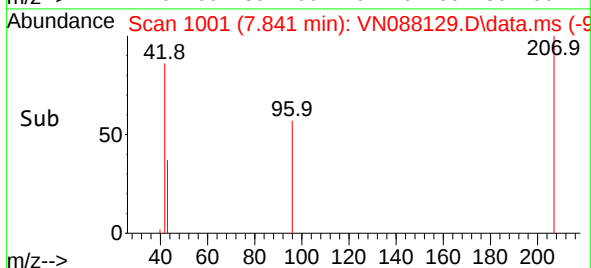
Tgt Ion:	84	Resp:	1204
Ion	Ratio	Lower	Upper
84	100		
49	102.2	103.4	155.2#
51	38.4	33.8	50.8
86	0.0	49.6	74.4#

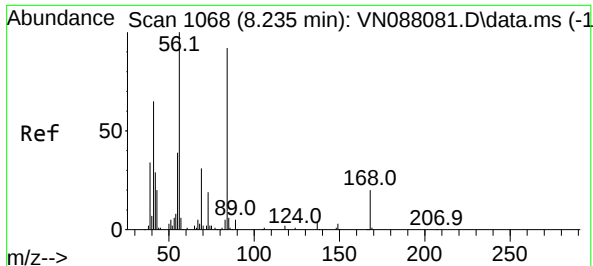


#29
Tetrahydrofuran
Concen: 0.224 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.018 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17



Tgt Ion:	42	Resp:	387
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	19.1	31.9	47.9#

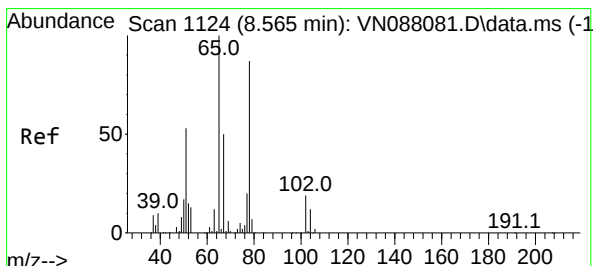
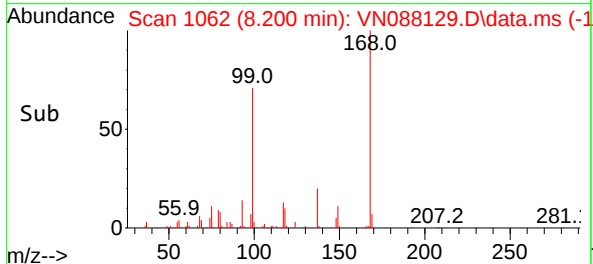
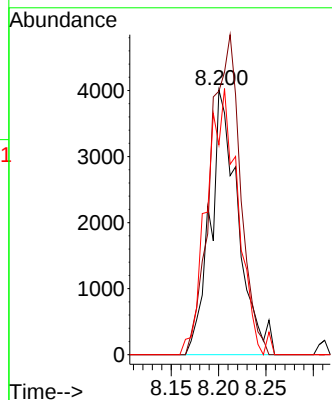
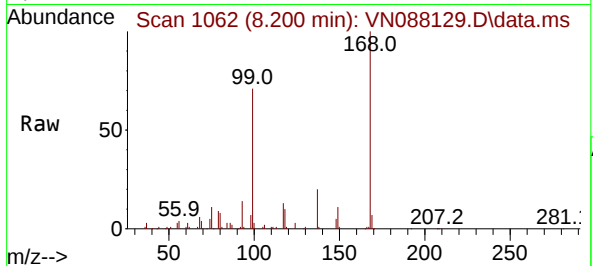




#31
Cyclohexane
Concen: 1.463 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

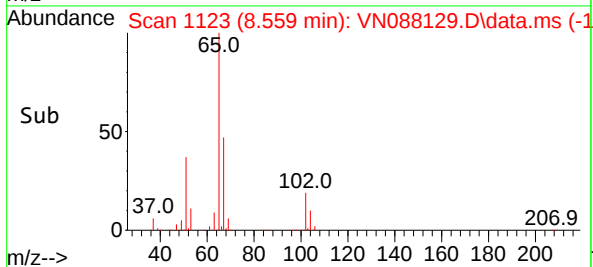
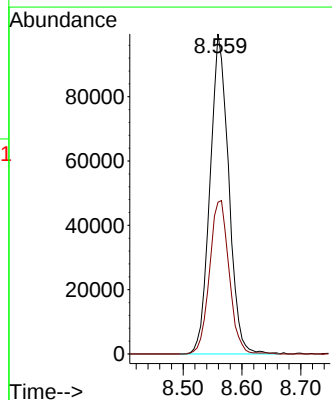
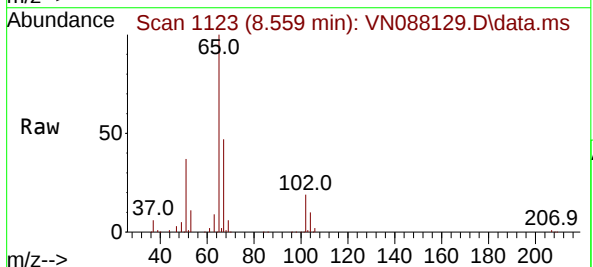
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

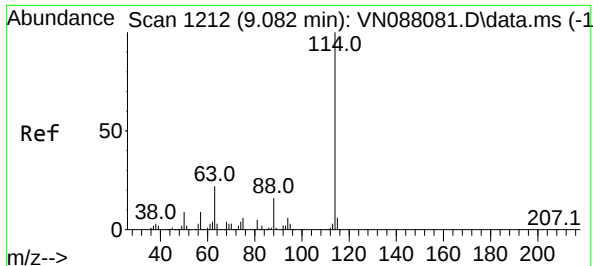
Tgt Ion: 56 Resp: 8189
Ion Ratio Lower Upper
56 100
69 99.5 23.7 35.5#
84 79.3 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 54.791 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion: 65 Resp: 219109
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.0

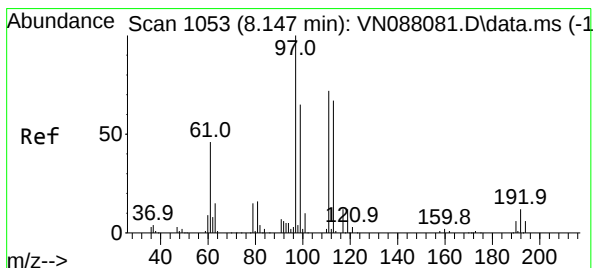
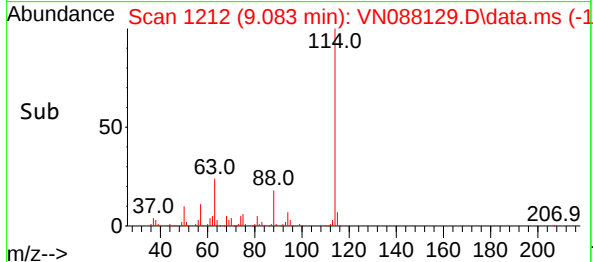
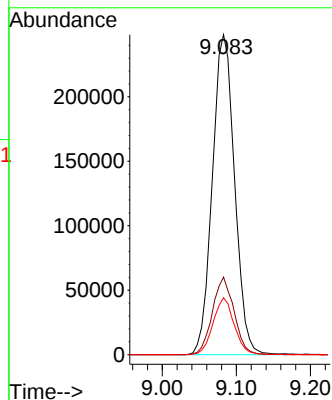
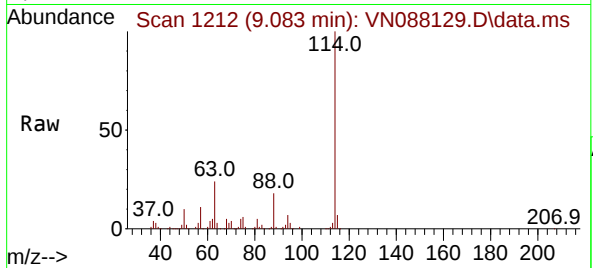




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.083 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN088129.D
 Acq: 28 Oct 2025 11:17

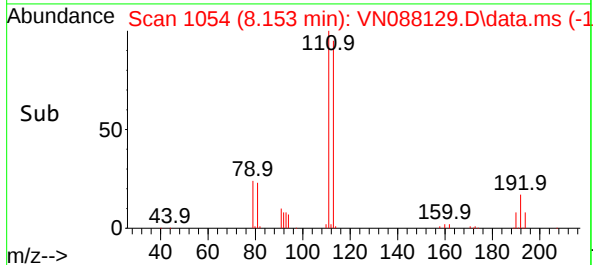
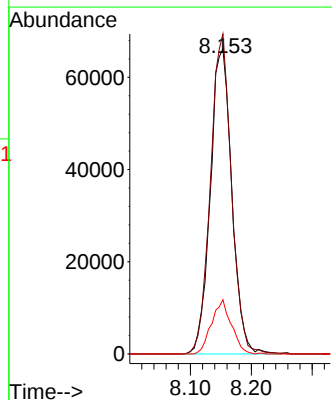
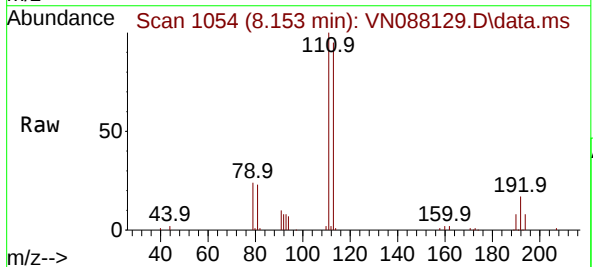
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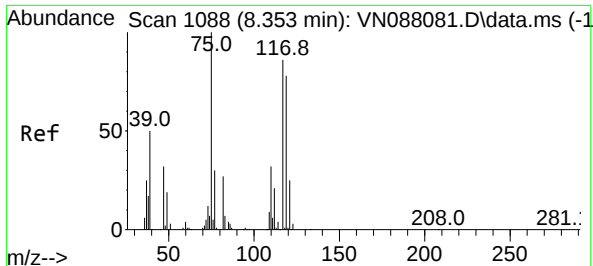
Tgt Ion:114 Resp: 516618
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 45.2
 88 17.8 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 46.820 ug/l
 RT: 8.153 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: VN088129.D
 Acq: 28 Oct 2025 11:17

Tgt Ion:113 Resp: 162498
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 16.4 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.694 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088129.D

Acq: 28 Oct 2025 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBL01

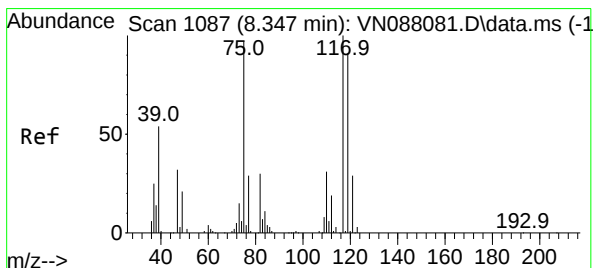
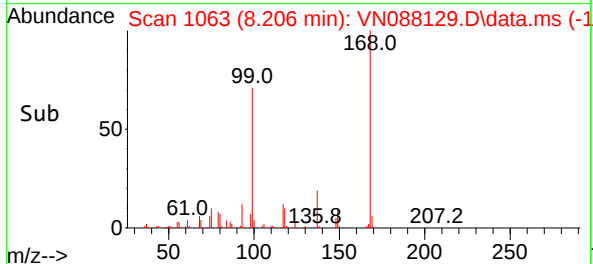
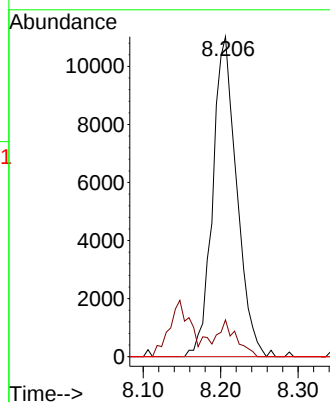
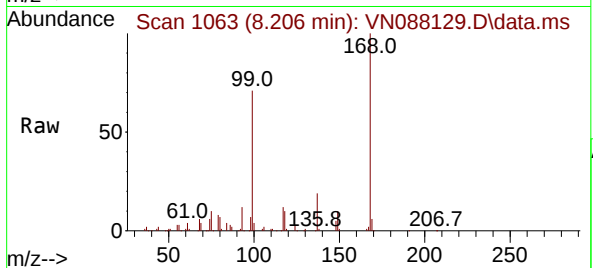
Tgt Ion: 75 Resp: 23786

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.501 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.129 min

Lab File: VN088129.D

Acq: 28 Oct 2025 11:17

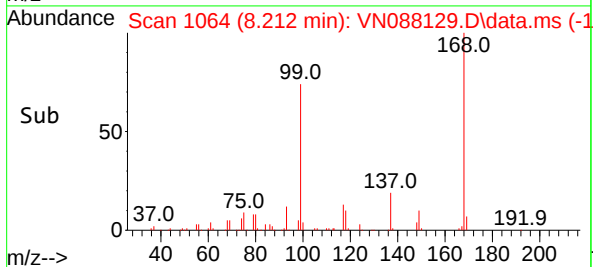
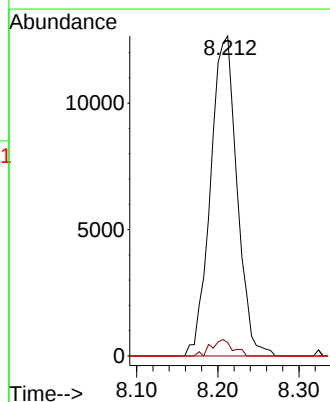
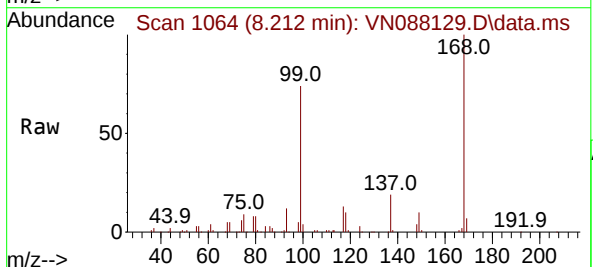
Tgt Ion: 117 Resp: 28792

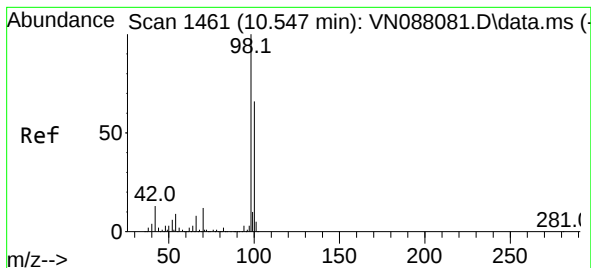
Ion Ratio Lower Upper

117 100

119 4.2 79.0 118.6#

121 0.0 25.0 37.6#

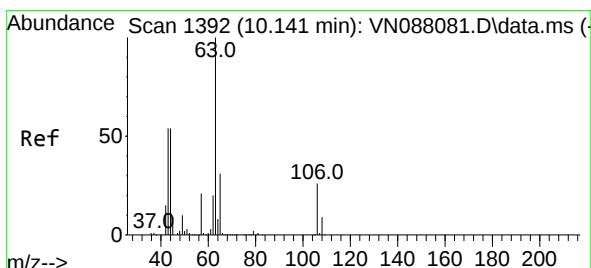
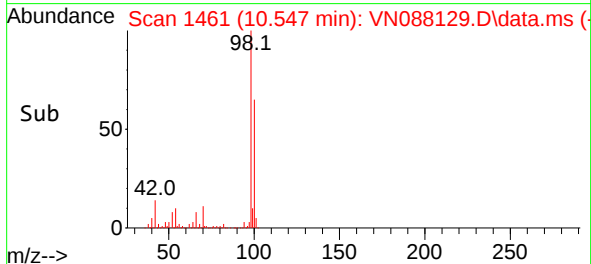
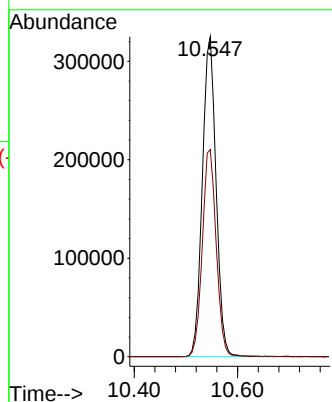
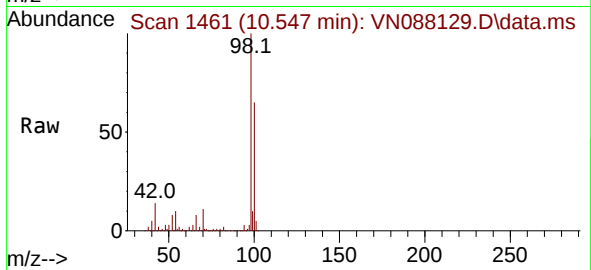




#50
Toluene-d8
Concen: 44.790 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

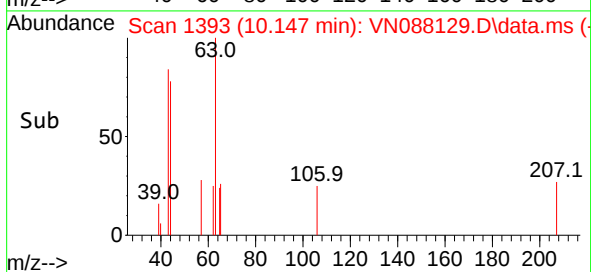
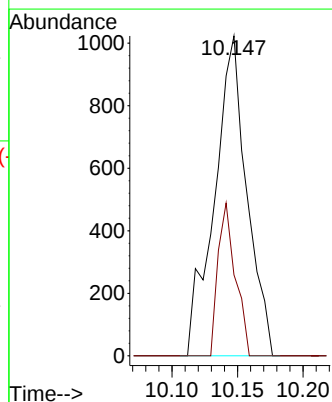
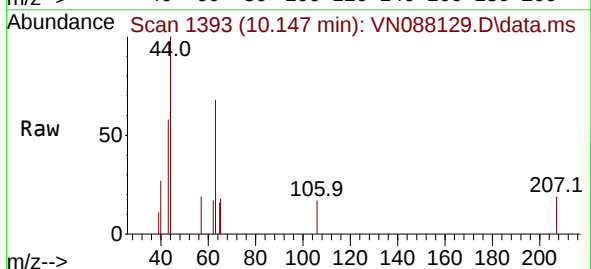
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

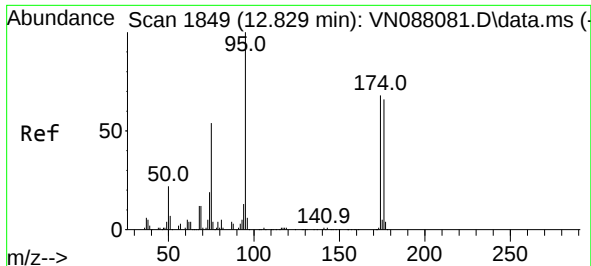
Tgt Ion: 98 Resp: 598983
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#58
2-Chloroethyl Vinyl ether
Concen: 0.593 ug/l
RT: 10.147 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion: 63 Resp: 1761
Ion Ratio Lower Upper
63 100
106 25.4 21.1 31.7

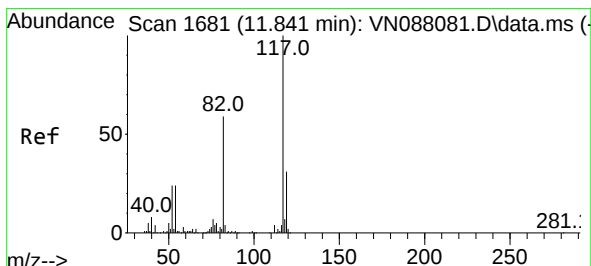
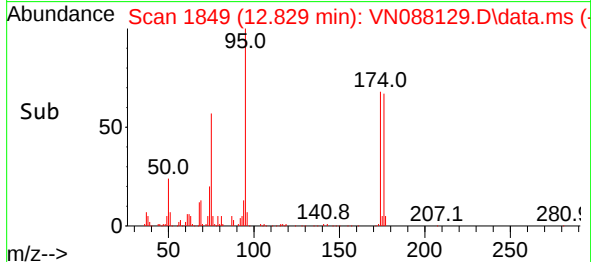
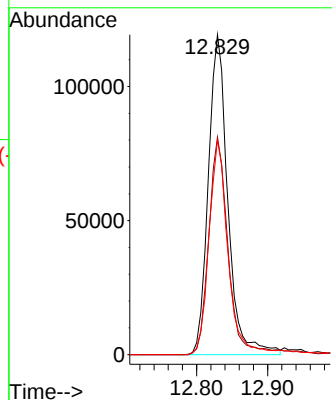
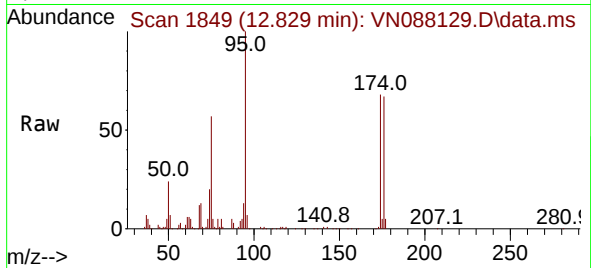




#62
4-Bromofluorobenzene
Concen: 48.258 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

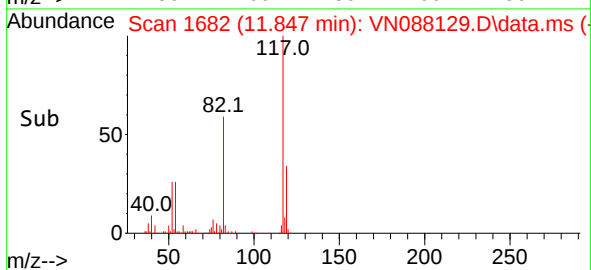
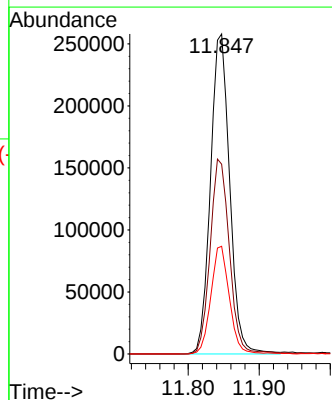
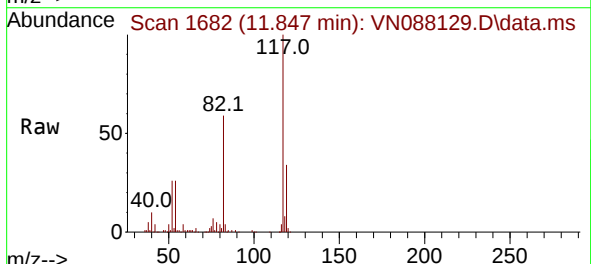
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

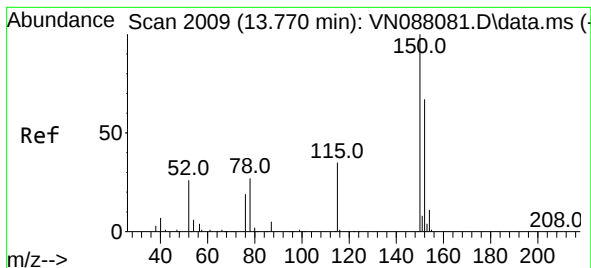
Tgt Ion: 95 Resp: 227915
Ion Ratio Lower Upper
95 100
174 68.5 0.0 138.4
176 66.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion: 117 Resp: 484454
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 33.6 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088129.D

Acq: 28 Oct 2025 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1028WBL01

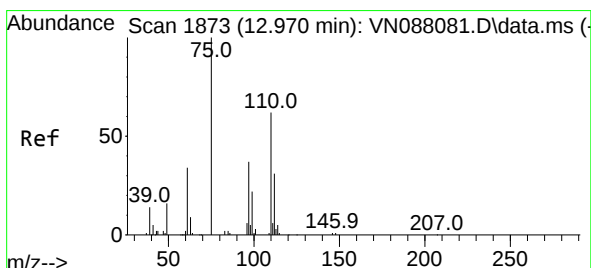
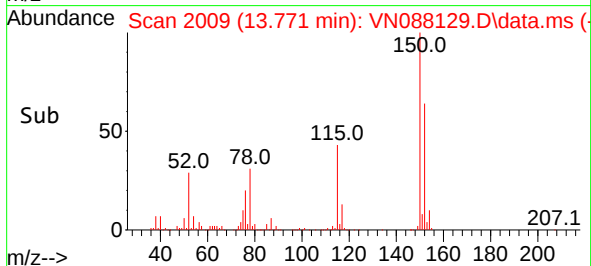
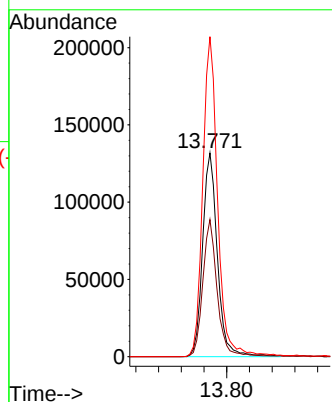
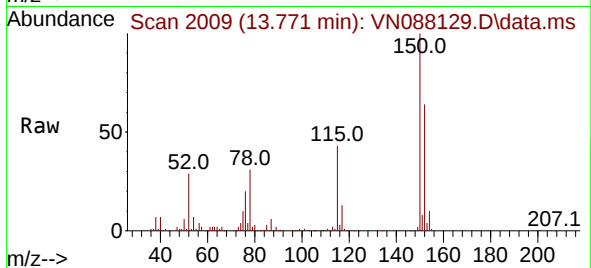
Tgt Ion:152 Resp: 238378

Ion Ratio Lower Upper

152 100

115 65.4 32.3 96.8

150 157.8 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 24.062 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088129.D

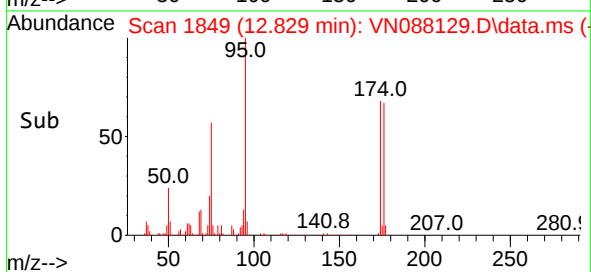
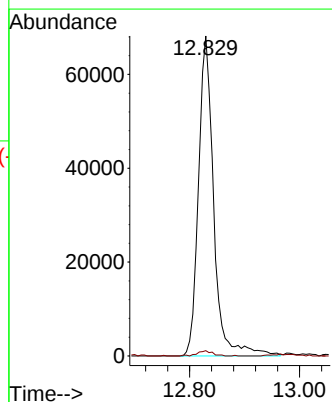
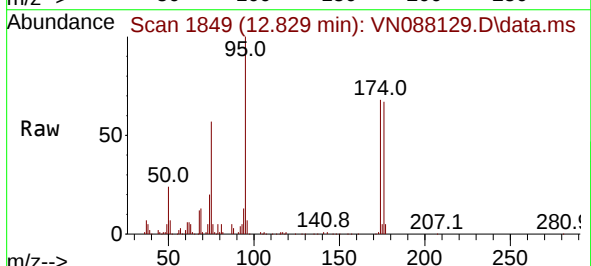
Acq: 28 Oct 2025 11:17

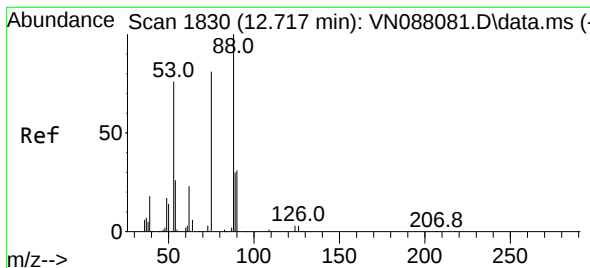
Tgt Ion: 75 Resp: 131138

Ion Ratio Lower Upper

75 100

77 1.6 89.1 267.4#

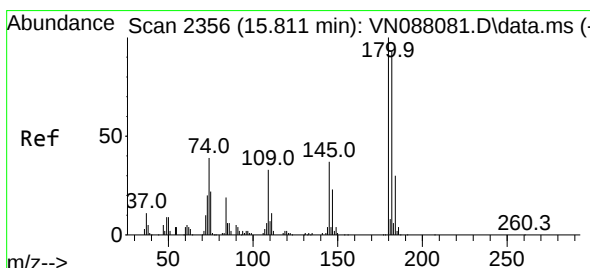
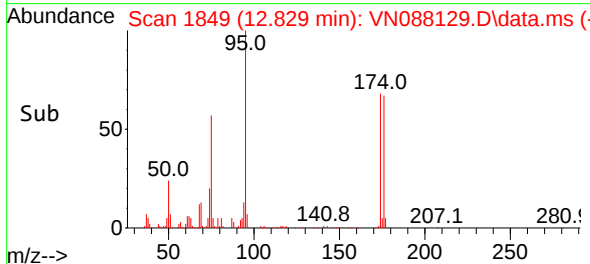
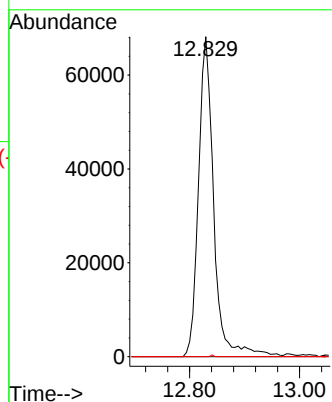
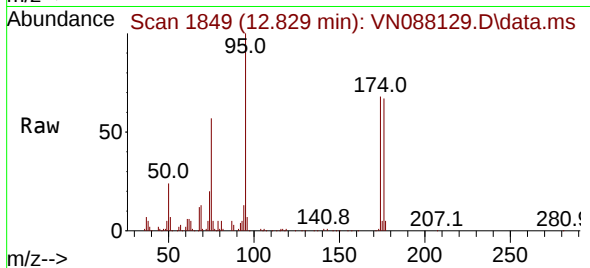




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.121 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088129.D
 Acq: 28 Oct 2025 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBL01

Tgt Ion: 75 Resp: 131138
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 35.6 53.4#



#96
 1,2,3-Trichlorobenzene
 Concen: 0.266 ug/l
 RT: 15.817 min Scan# 2357
 Delta R.T. 0.006 min
 Lab File: VN088129.D
 Acq: 28 Oct 2025 11:17

Tgt Ion:180 Resp: 1179
 Ion Ratio Lower Upper
 180 100
 182 55.4 46.8 140.3
 145 6.1 17.3 52.0#

