

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088422.D
 Acq On : 03 Dec 2025 12:52
 Operator : JC\MD
 Sample : Q3756-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-120225

Quant Time: Dec 04 00:17:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

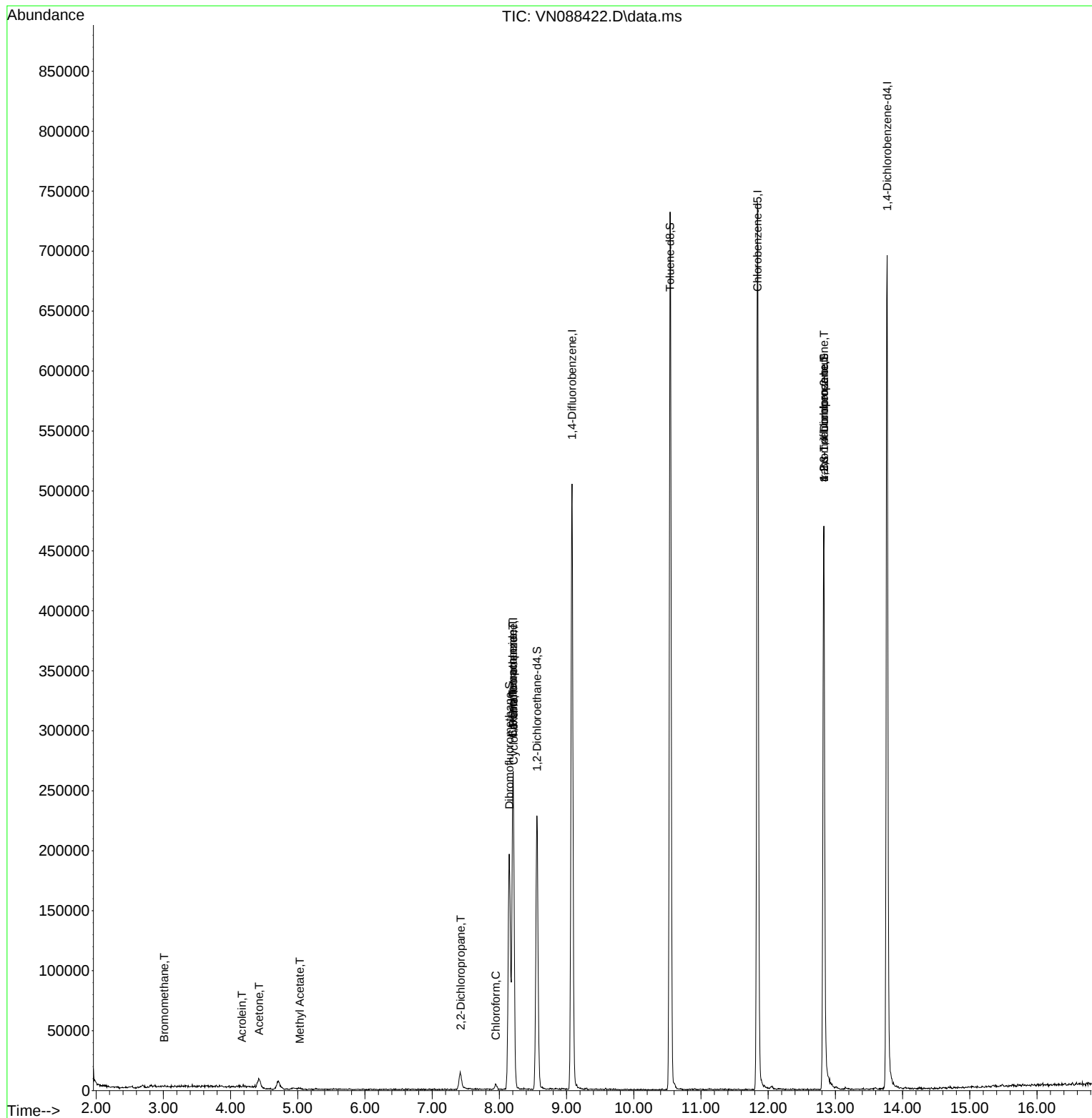
Internal Standards						
1) Pentafluorobenzene	8.206	168	173573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	400248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	396303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	182664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	192679	58.927	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.860%			
35) Dibromofluoromethane	8.147	113	139816	50.408	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	10.541	98	482687	46.771	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.540%			
62) 4-Bromofluorobenzene	12.829	95	172026	48.580	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.160%			
Target Compounds						
					Qvalue	
5) Bromomethane	3.012	94	425	0.310	ug/l #	49
13) Acrolein	4.171	56	145	0.290	ug/l #	63
16) Acetone	4.424	43	16363	13.837	ug/l	99
18) Methyl Acetate	5.030	43	1730	0.491	ug/l #	70
26) 2,2-Dichloropropane	7.424	77	1051	0.257	ug/l #	56
30) Chloroform	7.947	83	4276	0.917	ug/l	84
31) Cyclohexane	8.212	56	5814	1.352	ug/l #	45
36) 1,1-Dichloropropene	8.200	75	18852	4.404	ug/l #	51
38) Carbon Tetrachloride	8.200	117	21004	4.929	ug/l #	15
76) 1,2,3-Trichloropropane	12.829	75	98284	22.973	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	98284	65.172	ug/l #	1

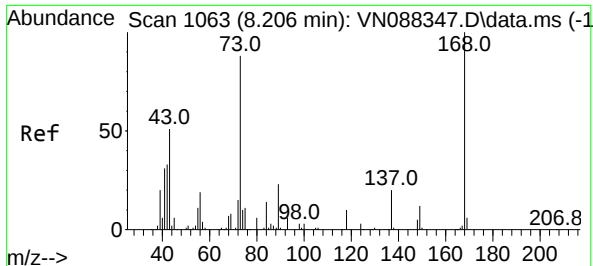
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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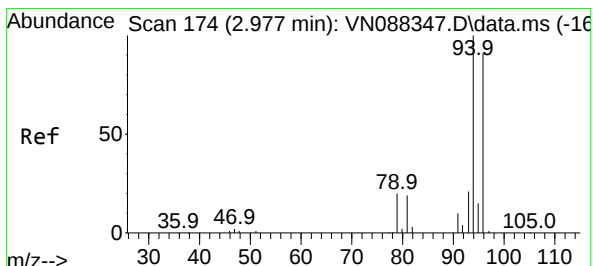
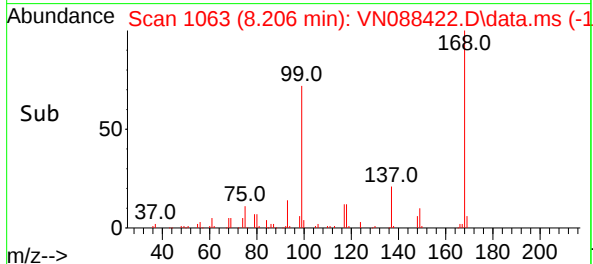
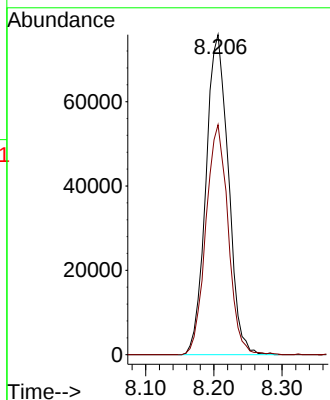
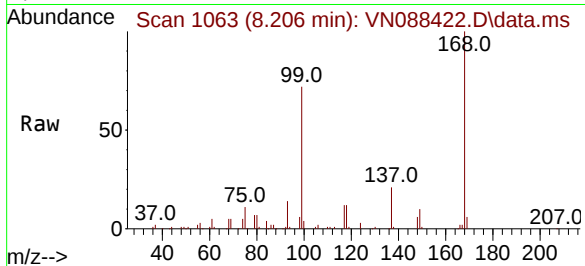




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

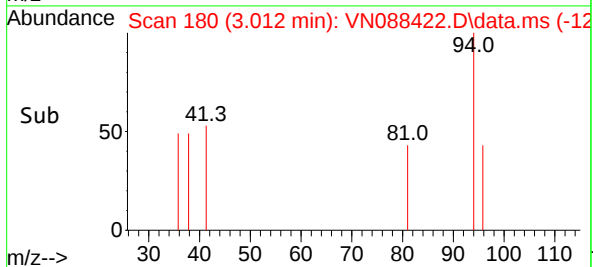
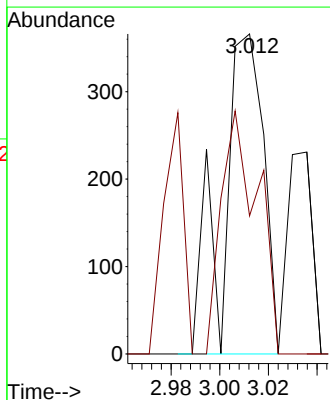
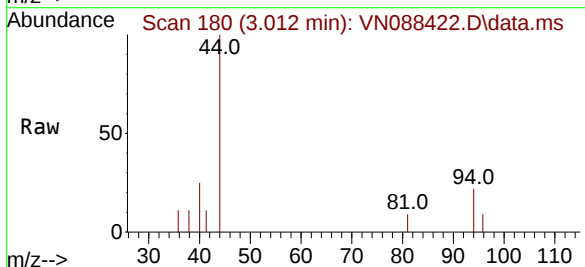
Instrument :
MSVOA_N
ClientSampleId :
EB01-120225

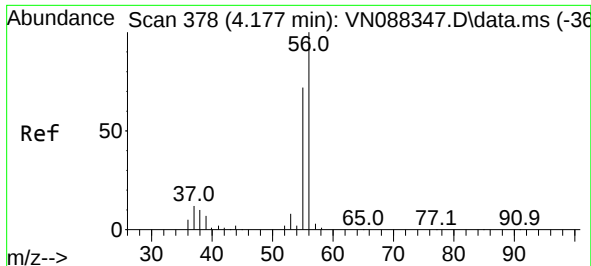
Tgt Ion:168 Resp: 173573
Ion Ratio Lower Upper
168 100
99 71.8 57.1 85.7



#5
Bromomethane
Concen: 0.310 ug/l
RT: 3.012 min Scan# 180
Delta R.T. 0.035 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

Tgt Ion: 94 Resp: 425
Ion Ratio Lower Upper
94 100
96 43.2 73.2 109.8#

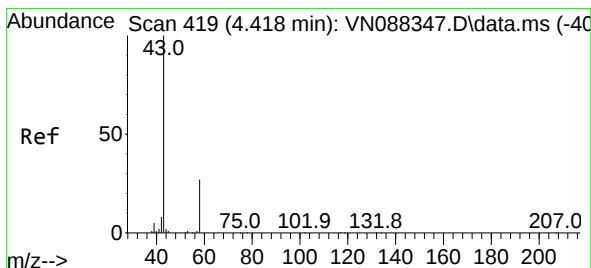
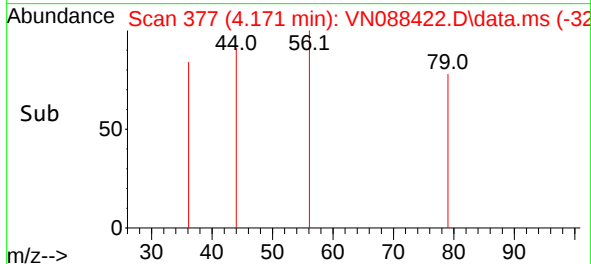
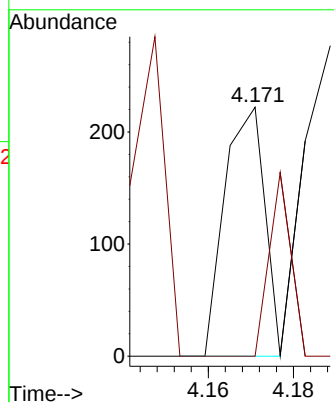
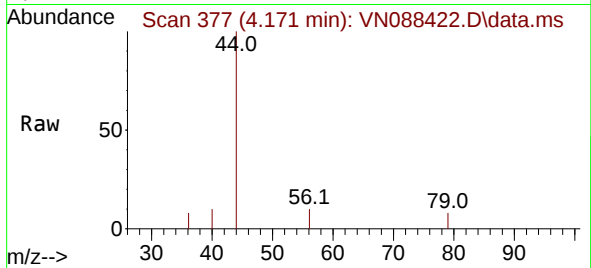




#13
Acrolein
Concen: 0.290 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

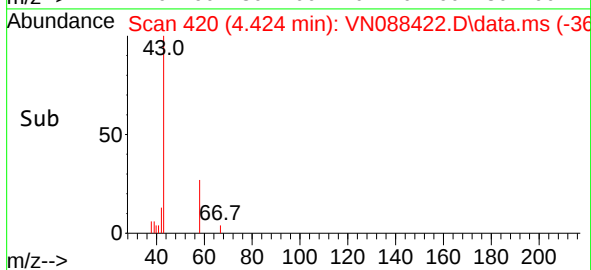
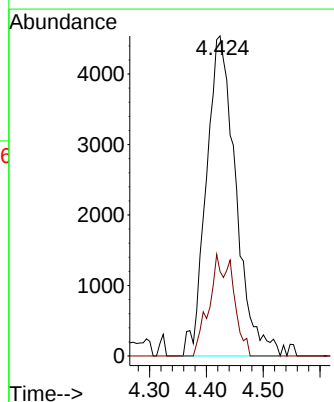
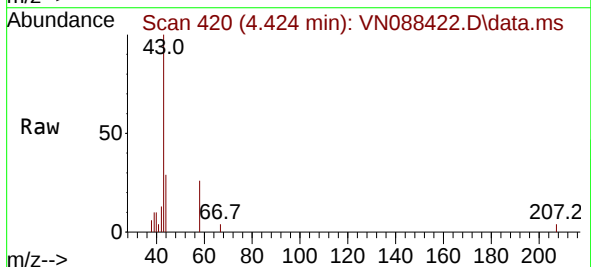
Instrument :
MSVOA_N
ClientSampleId :
EB01-120225

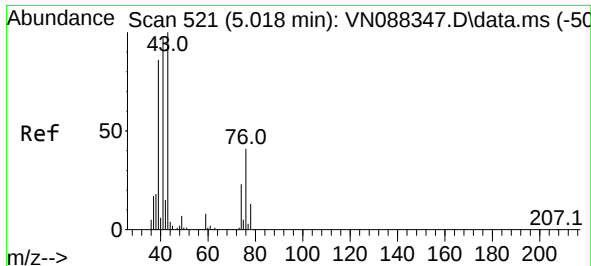
Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 40.0 56.3 84.5#



#16
Acetone
Concen: 13.837 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

Tgt Ion: 43 Resp: 16363
Ion Ratio Lower Upper
43 100
58 26.4 21.7 32.5

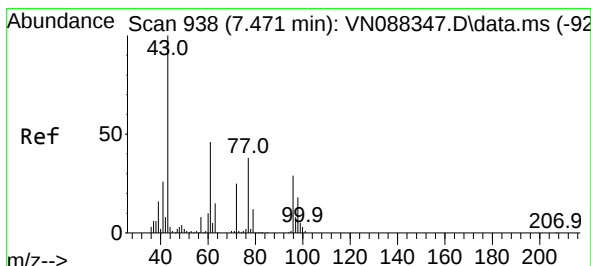
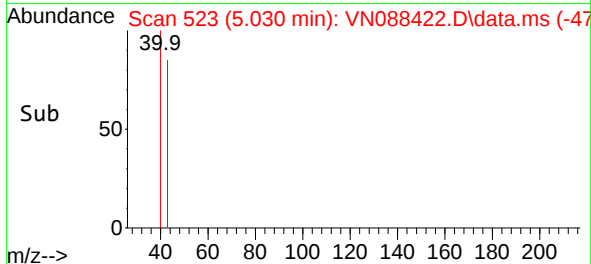
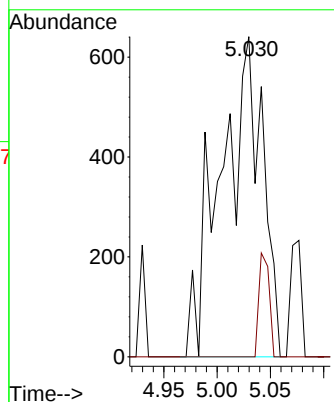
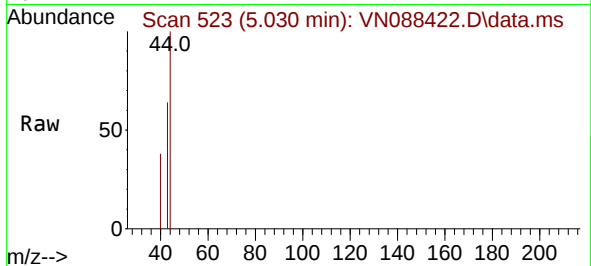




#18
Methyl Acetate
Concen: 0.491 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

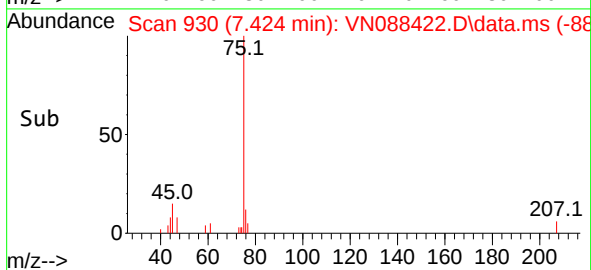
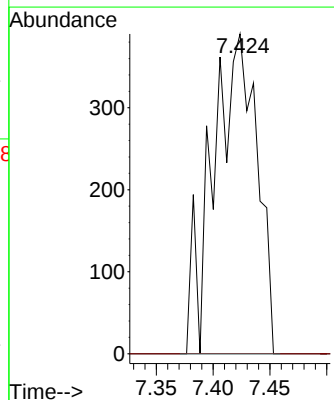
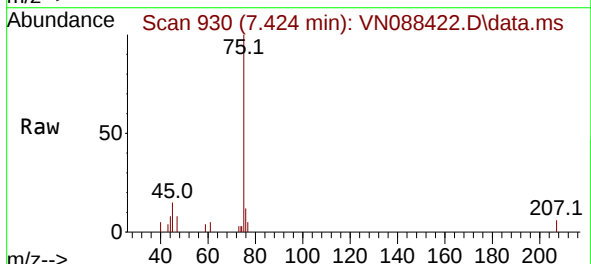
Instrument :
MSVOA_N
ClientSampleId :
EB01-120225

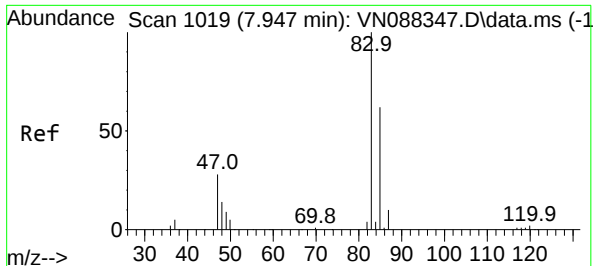
Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
74 7.9 17.9 26.9#



#26
2,2-Dichloropropane
Concen: 0.257 ug/l
RT: 7.424 min Scan# 930
Delta R.T. -0.047 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

Tgt Ion: 77 Resp: 1051
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#





#30

Chloroform

Concen: 0.917 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

Instrument :

MSVOA_N

ClientSampleId :

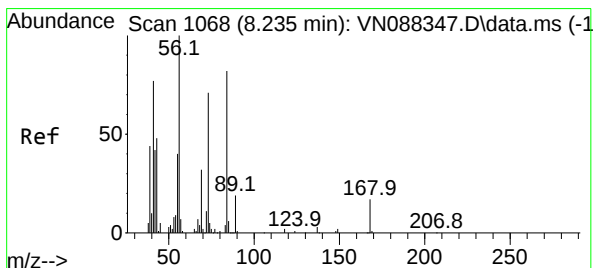
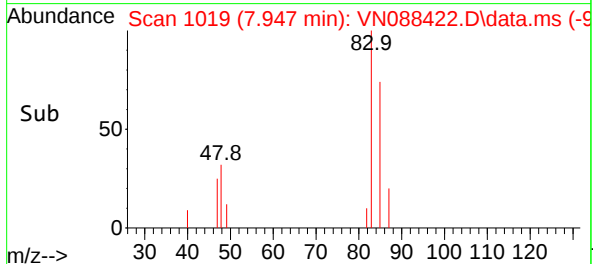
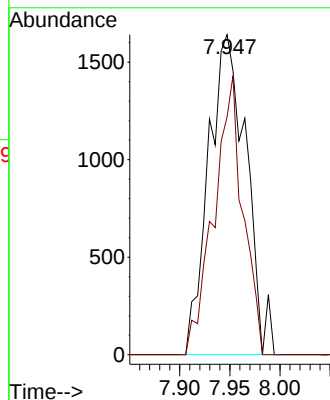
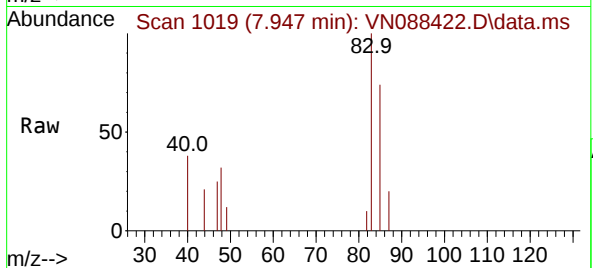
EB01-120225

Tgt Ion: 83 Resp: 4276

Ion Ratio Lower Upper

83 100

85 74.3 49.8 74.8



#31

Cyclohexane

Concen: 1.352 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.023 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

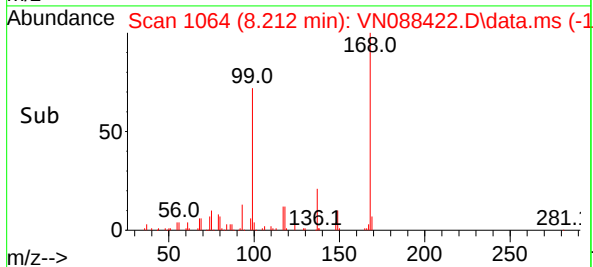
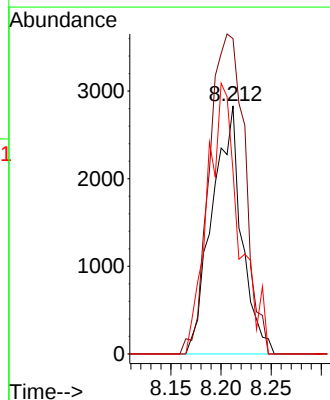
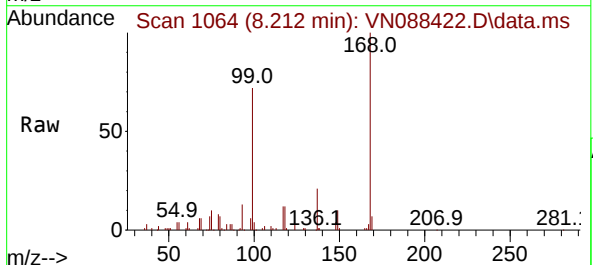
Tgt Ion: 56 Resp: 5814

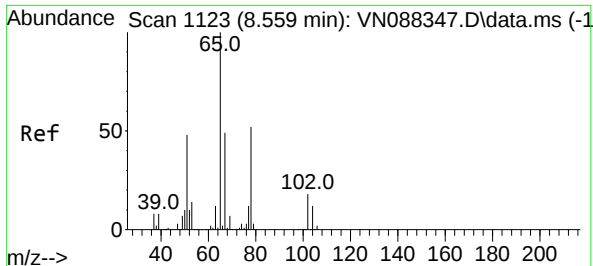
Ion Ratio Lower Upper

56 100

69 127.1 25.3 37.9#

84 73.7 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 58.927 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

Instrument :

MSVOA_N

ClientSampleId :

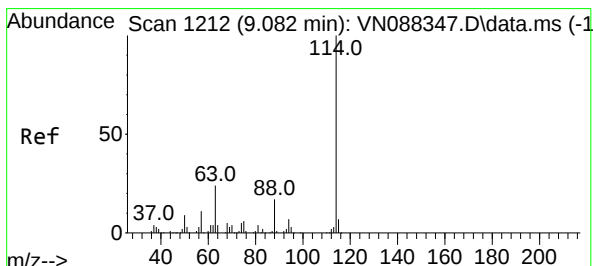
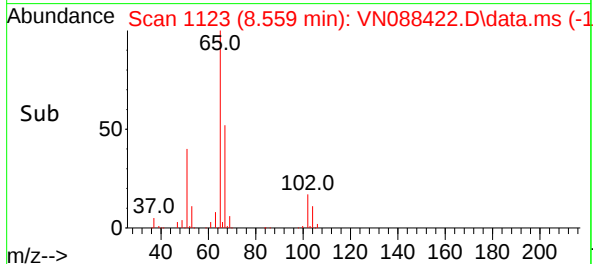
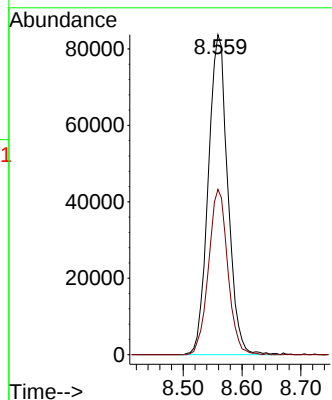
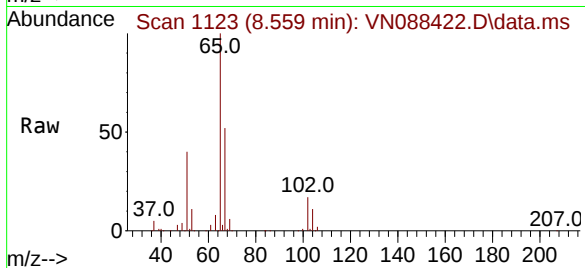
EB01-120225

Tgt Ion: 65 Resp: 192679

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

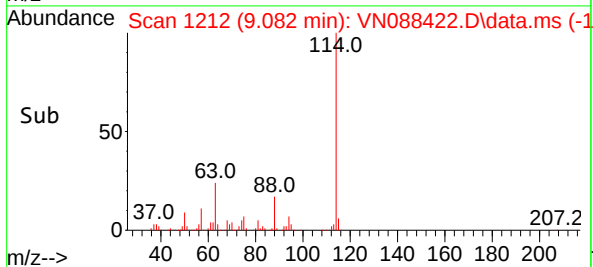
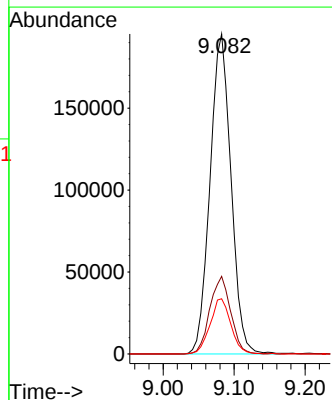
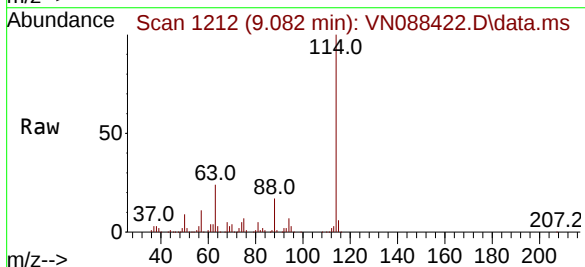
Tgt Ion: 114 Resp: 400248

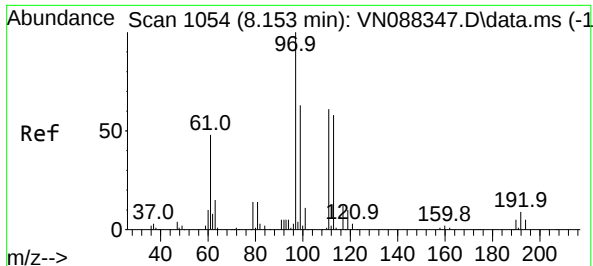
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.0

88 17.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.408 ug/l

RT: 8.147 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

Instrument :

MSVOA_N

ClientSampleId :

EB01-120225

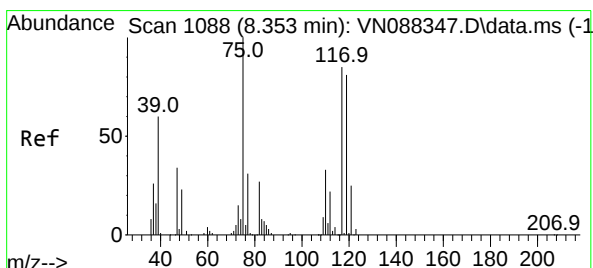
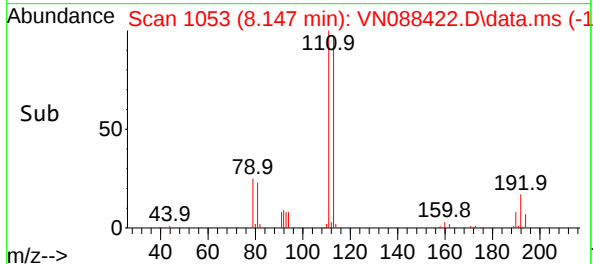
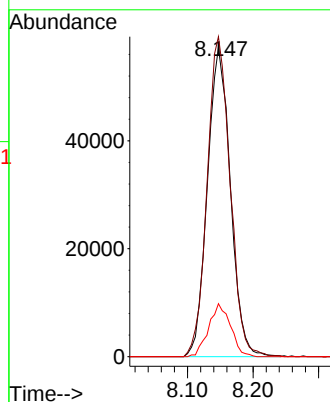
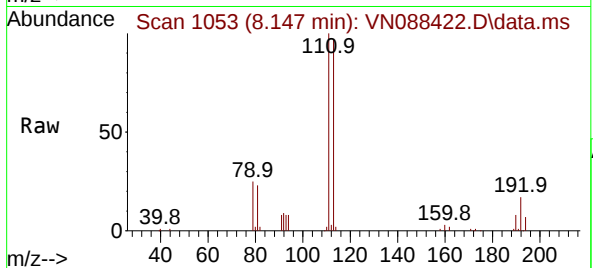
Tgt Ion:113 Resp: 139816

Ion Ratio Lower Upper

113 100

111 103.4 82.5 123.7

192 16.3 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.404 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088422.D

Acq: 03 Dec 2025 12:52

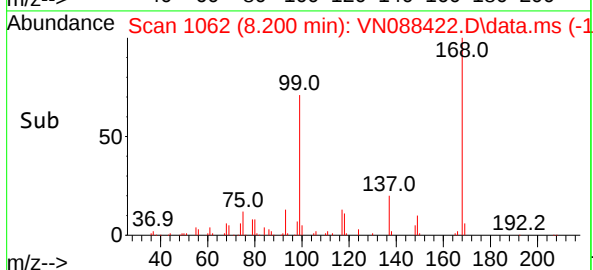
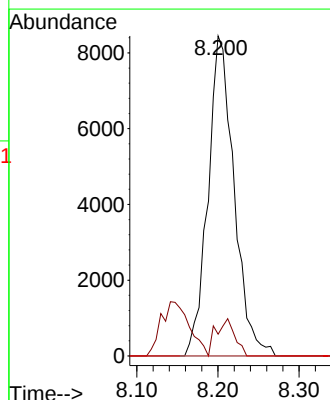
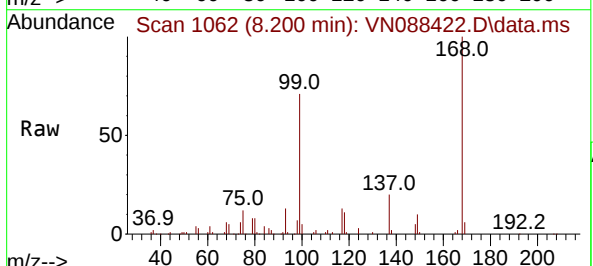
Tgt Ion: 75 Resp: 18852

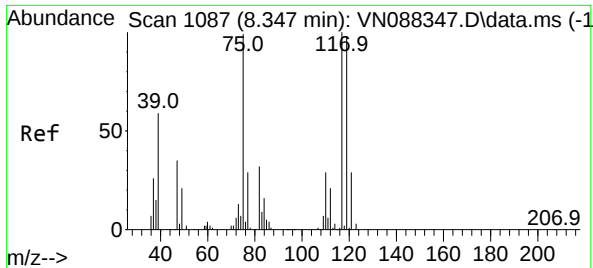
Ion Ratio Lower Upper

75 100

110 8.3 15.8 47.4#

77 0.0 24.2 36.2#

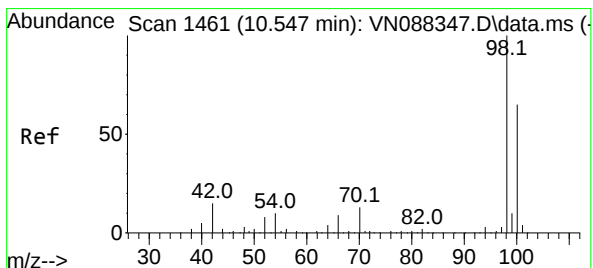
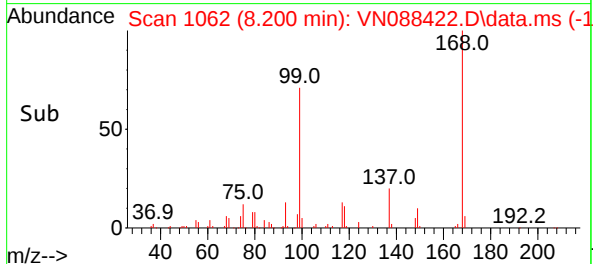
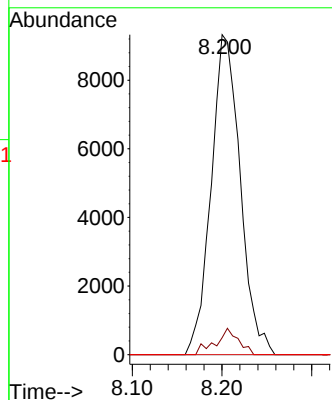
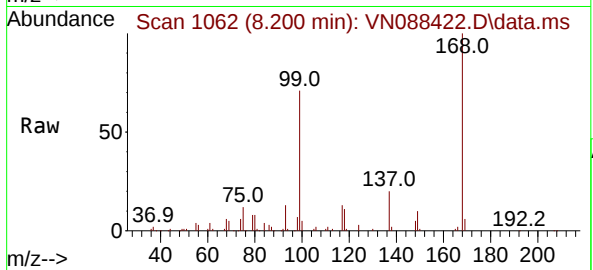




#38
Carbon Tetrachloride
Concen: 4.929 ug/l
RT: 8.200 min Scan# 117
Delta R.T. -0.147 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

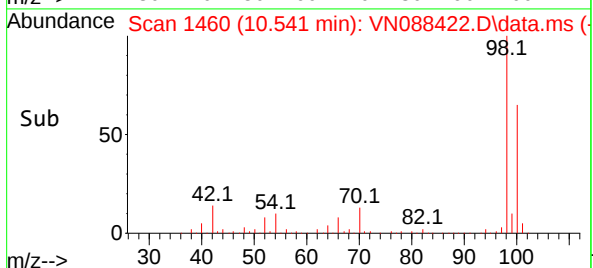
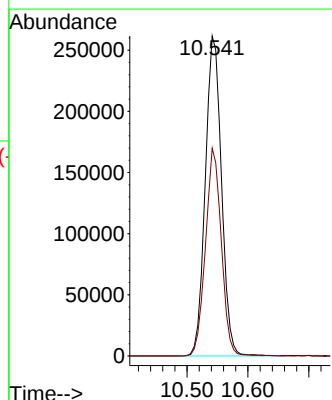
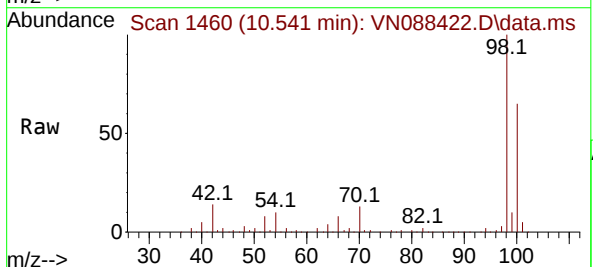
Instrument :
MSVOA_N
ClientSampleId :
EB01-120225

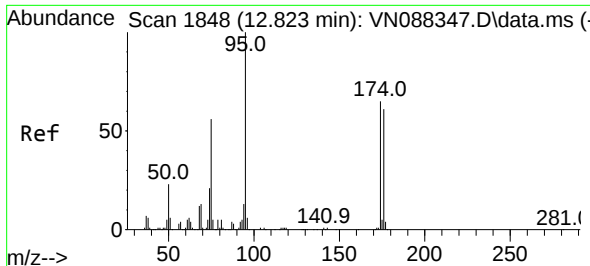
Tgt Ion:117 Resp: 21004
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 46.771 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

Tgt Ion: 98 Resp: 482687
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.2

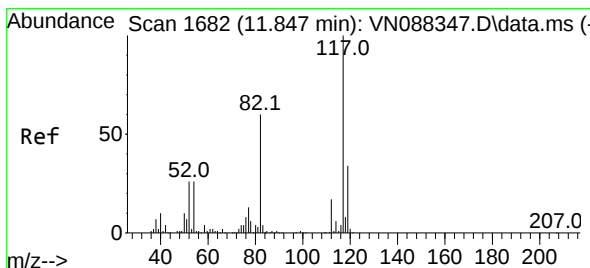
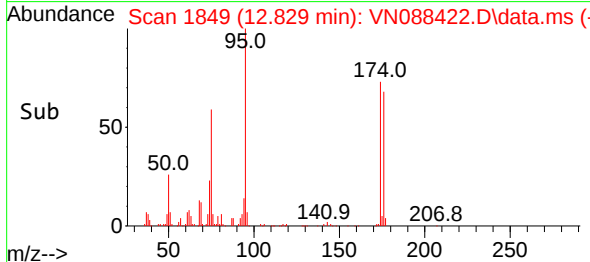
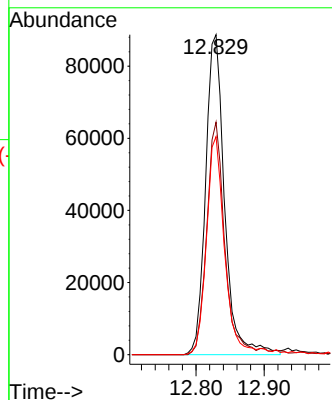
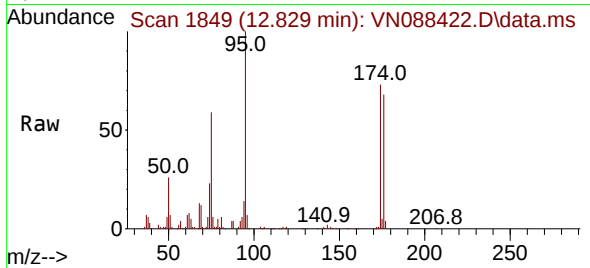




#62
4-Bromofluorobenzene
Concen: 48.580 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

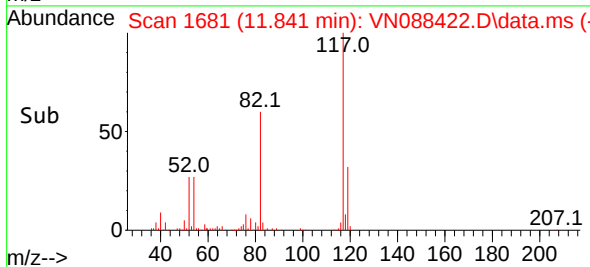
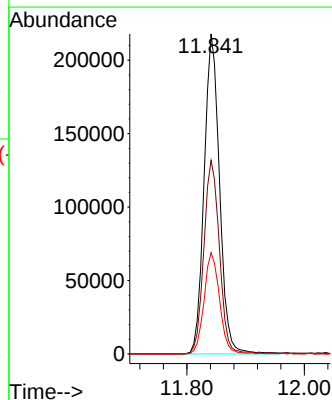
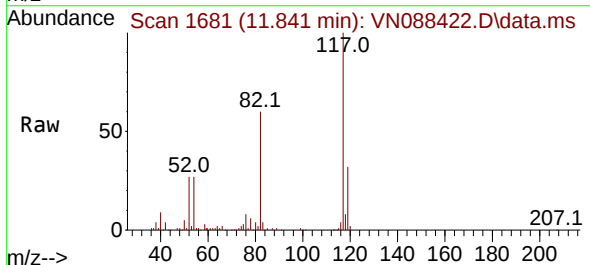
Instrument :
MSVOA_N
ClientSampleId :
EB01-120225

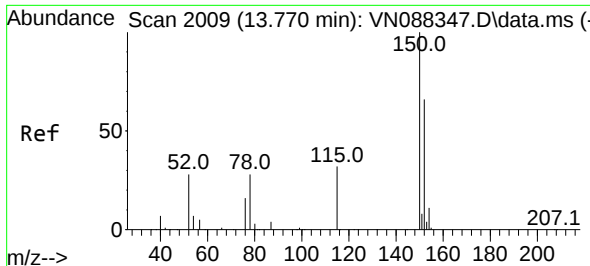
Tgt Ion: 95 Resp: 172026
Ion Ratio Lower Upper
95 100
174 68.3 0.0 139.0
176 65.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088422.D
Acq: 03 Dec 2025 12:52

Tgt Ion: 117 Resp: 396303
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 31.6 26.9 40.3

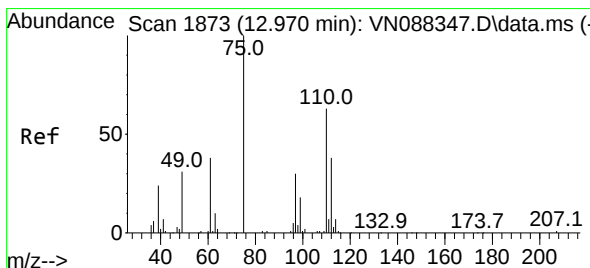
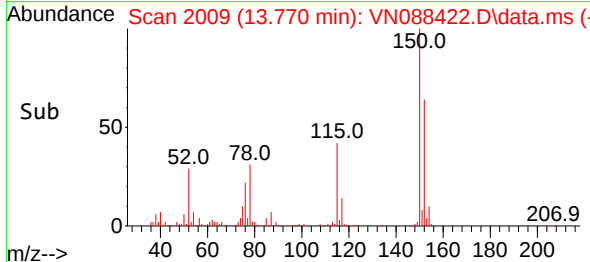
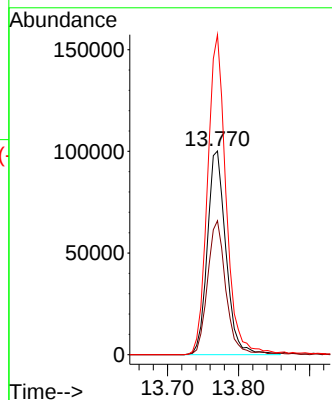
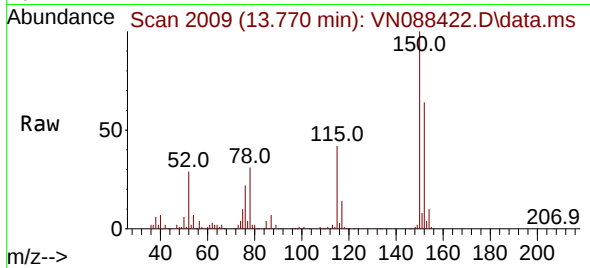




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088422.D
 Acq: 03 Dec 2025 12:52

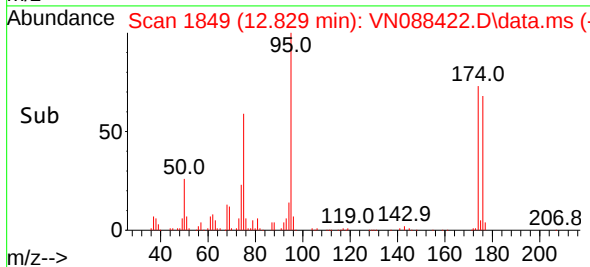
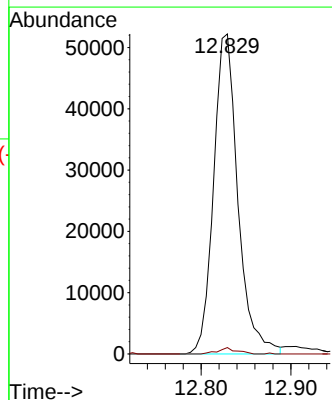
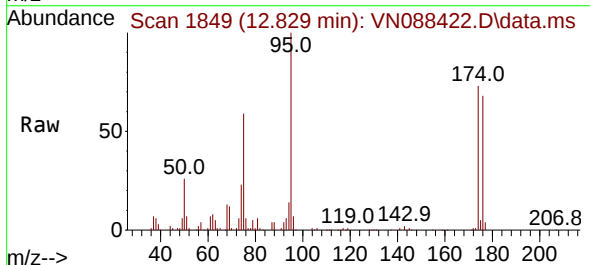
Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-120225

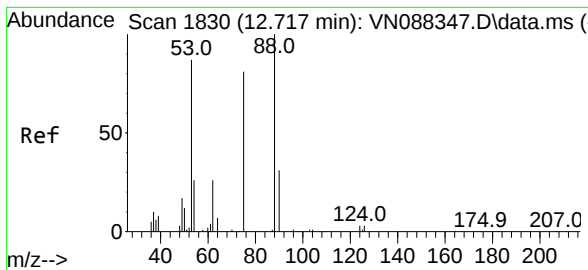
Tgt Ion:152 Resp: 182664
 Ion Ratio Lower Upper
 152 100
 115 65.3 33.0 98.9
 150 157.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 22.973 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088422.D
 Acq: 03 Dec 2025 12:52

Tgt Ion: 75 Resp: 98284
 Ion Ratio Lower Upper
 75 100
 77 1.5 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.172 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088422.D
 Acq: 03 Dec 2025 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-120225

Tgt Ion: 75 Resp: 98284
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.2 138.4#
 89 0.0 0.0 0.0

