

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087843.D
 Acq On : 15 Sep 2025 17:06
 Operator : JC\MD
 Sample : Q3075-06
 Misc : 1.23g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0259

Quant Time: Sep 16 01:43:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

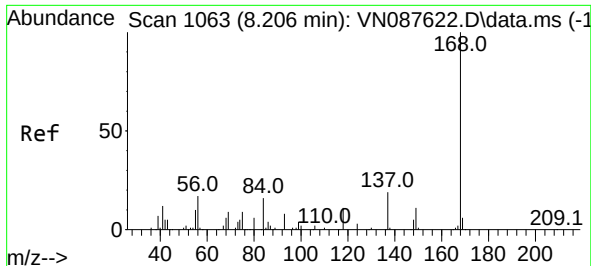
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.200	168	245398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	548593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	484539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	248053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	258431	51.399	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.800%	
35) Dibromofluoromethane	8.147	113	196779	49.681	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.360%	
50) Toluene-d8	10.541	98	693705	46.794	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.580%	
62) 4-Bromofluorobenzene	12.829	95	238303	45.201	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.400%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.559	142	4395	8.286	ug/l	90
11) Tert butyl alcohol	5.494	59	6709	7.686	ug/l #	71
13) Acrolein	4.165	56	412	0.384	ug/l #	63
16) Acetone	4.447	43	5522	2.018	ug/l #	47
18) Methyl Acetate	5.018	43	4012	0.700	ug/l #	75
20) Methylene Chloride	5.259	84	3257	Below Cal	#	71
25) 2-Butanone	7.494	43	1121	0.311	ug/l #	50
31) Cyclohexane	8.206	56	7340	1.161	ug/l #	33
36) 1,1-Dichloropropene	8.200	75	22380	3.683	ug/l #	51
38) Carbon Tetrachloride	8.206	117	27605	4.601	ug/l #	15
49) 1,4-Dioxane	9.818	88	54	0.679	ug/l #	13
74) N-amyl acetate	12.600	43	305763	40.252	ug/l #	46
76) 1,2,3-Trichloropropane	12.829	75	132056	22.702	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	132056	60.101	ug/l #	1
85) sec-Butylbenzene	13.764	105	16093	0.765	ug/l	86

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

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Response via : Initial Calibration

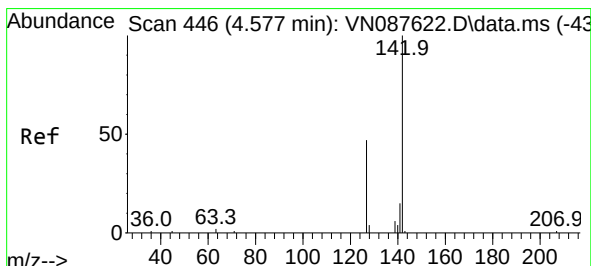
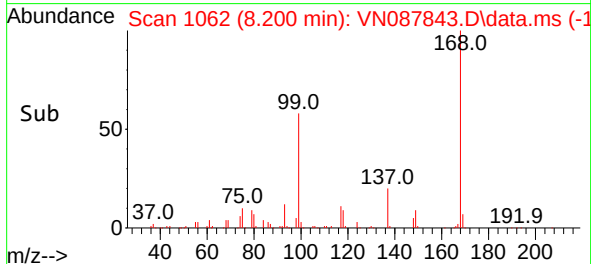
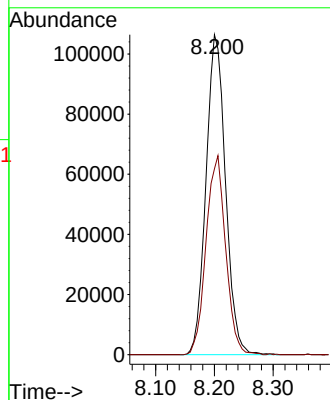
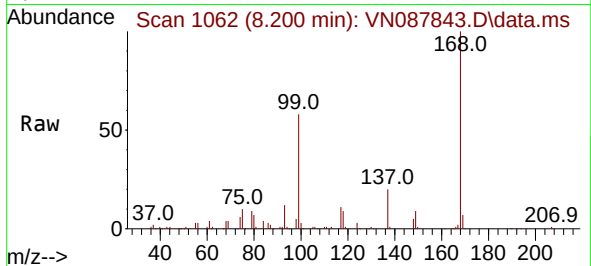




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

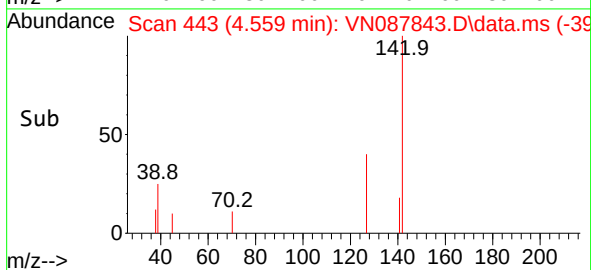
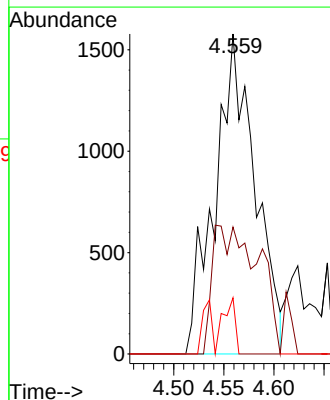
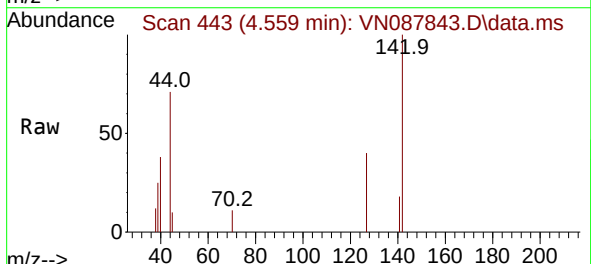
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0259

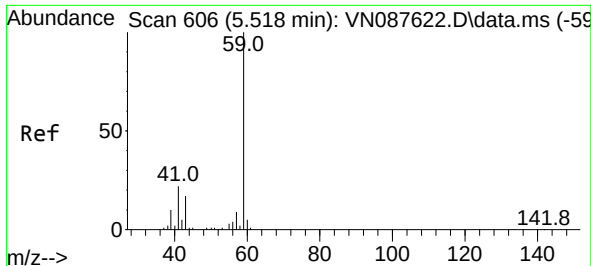
Tgt Ion:168 Resp: 245398
Ion Ratio Lower Upper
168 100
99 58.0 57.2 85.8



#10
Methyl Iodide
Concen: 8.286 ug/l
RT: 4.559 min Scan# 443
Delta R.T. -0.018 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Tgt Ion:142 Resp: 4395
Ion Ratio Lower Upper
142 100
127 39.7 38.0 57.0
141 17.6 12.0 18.0

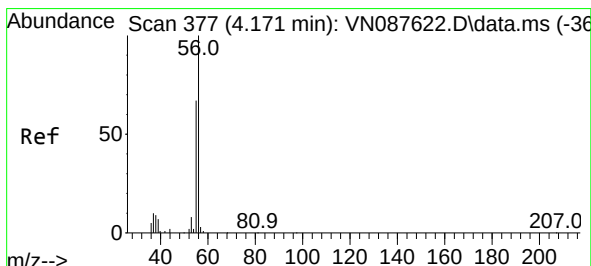
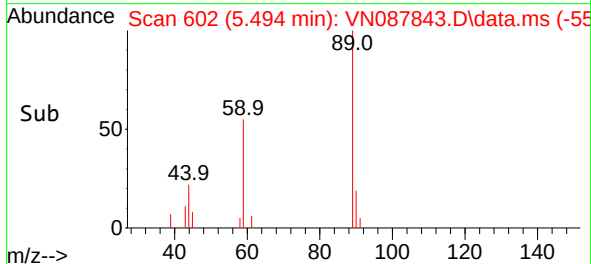
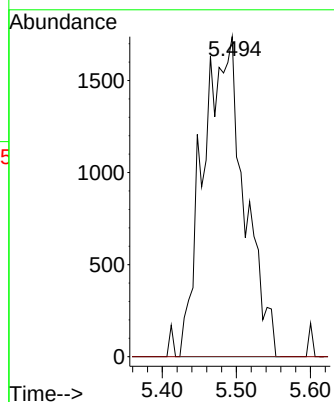
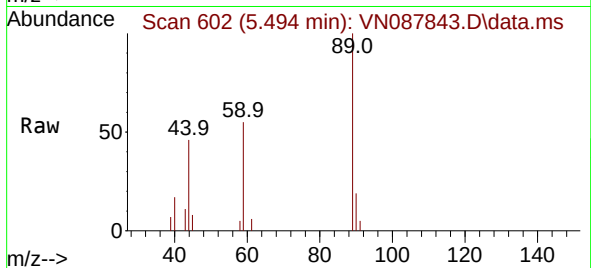




#11
Tert butyl alcohol
Concen: 7.686 ug/l
RT: 5.494 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

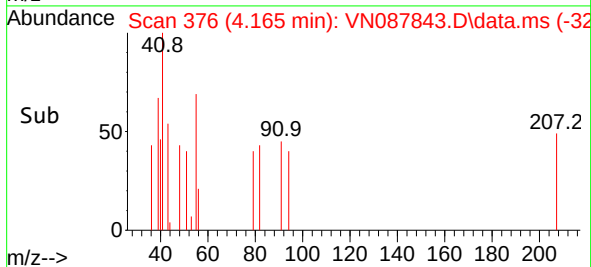
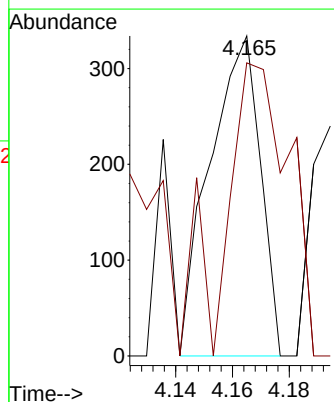
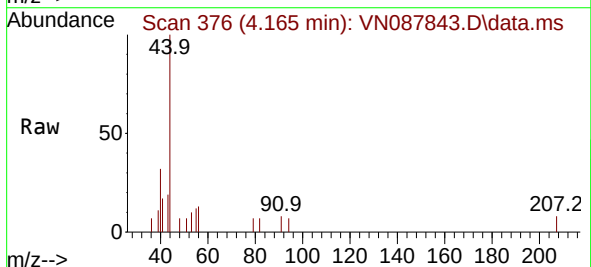
Instrument :
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ClientSampleId :
MOO-25-0259

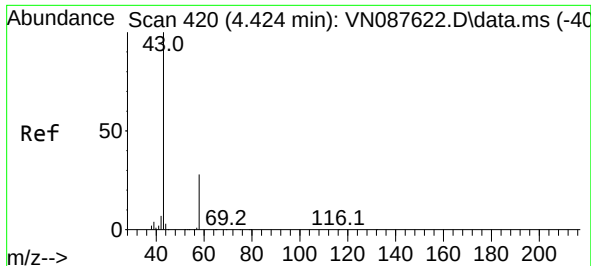
Tgt Ion: 59 Resp: 6709
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 0.384 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Tgt Ion: 56 Resp: 412
Ion Ratio Lower Upper
56 100
55 101.9 57.3 85.9#

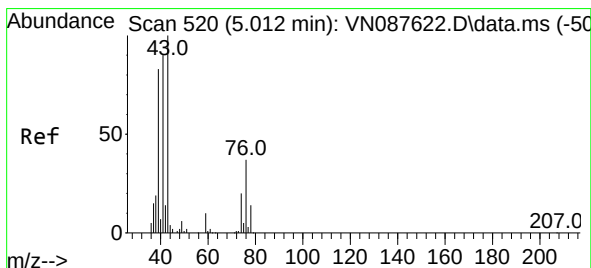
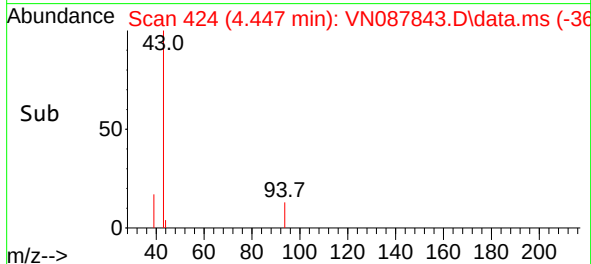
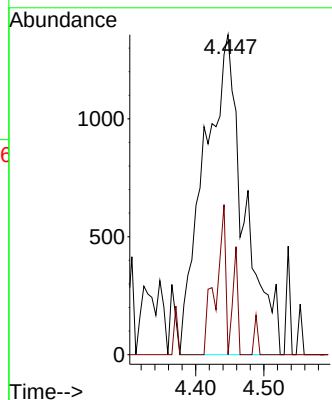
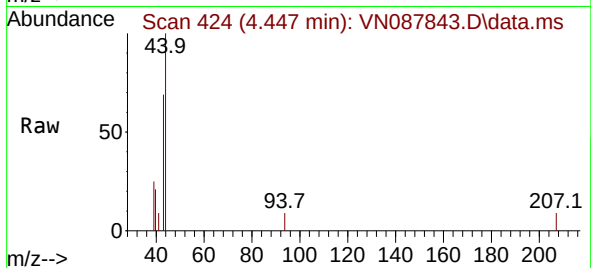




#16
Acetone
Concen: 2.018 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

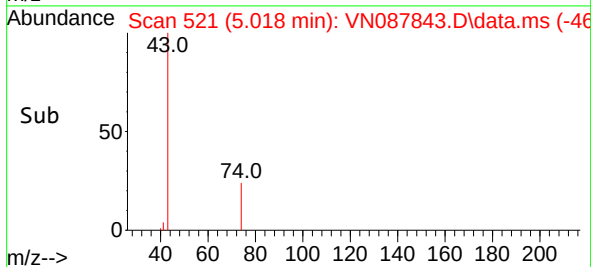
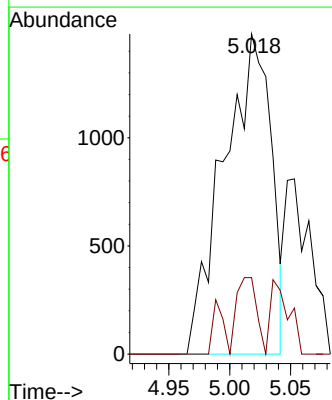
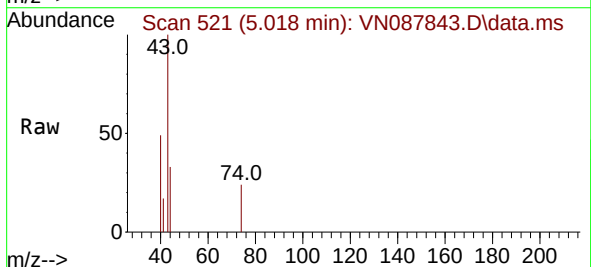
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0259

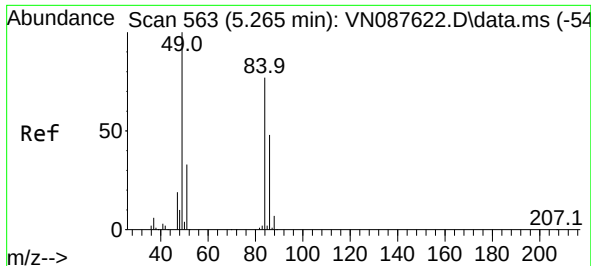
Tgt Ion: 43 Resp: 5522
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#18
Methyl Acetate
Concen: 0.700 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

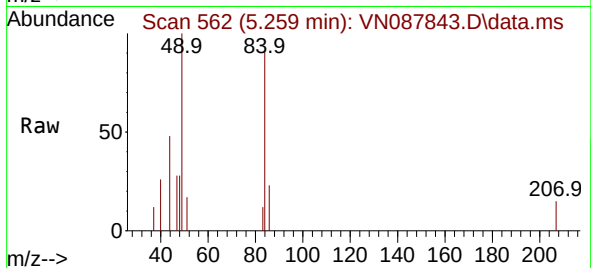
Tgt Ion: 43 Resp: 4012
Ion Ratio Lower Upper
43 100
74 10.0 17.6 26.4#



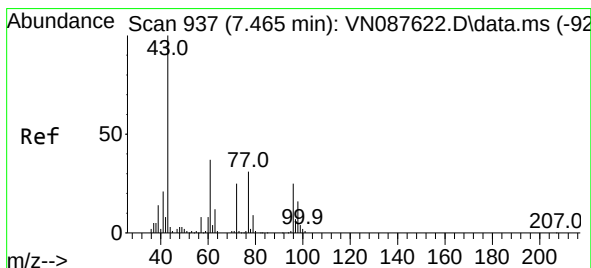
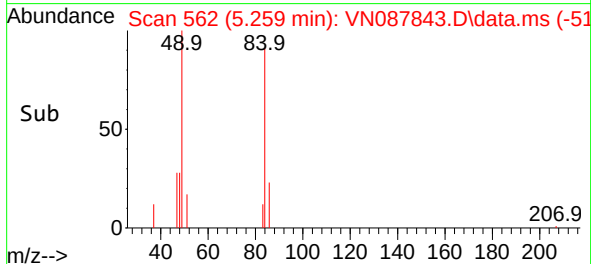
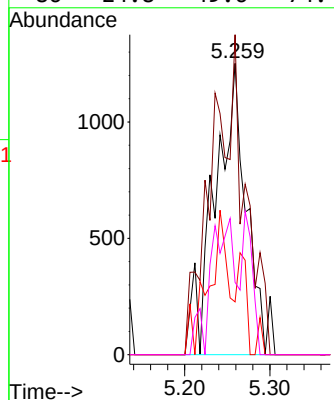


#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0259

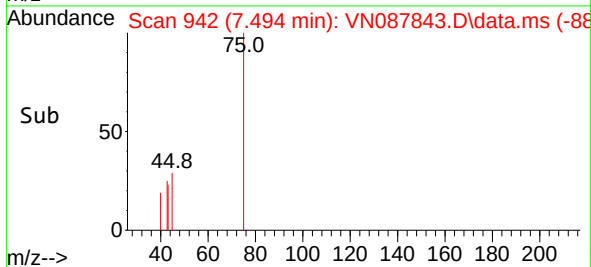
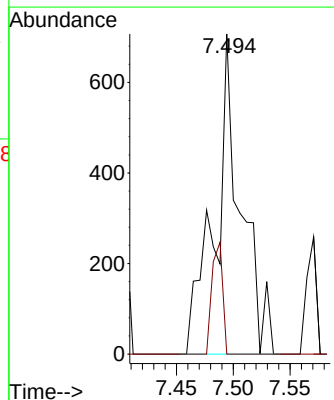
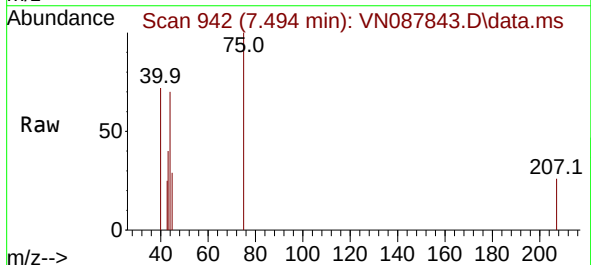


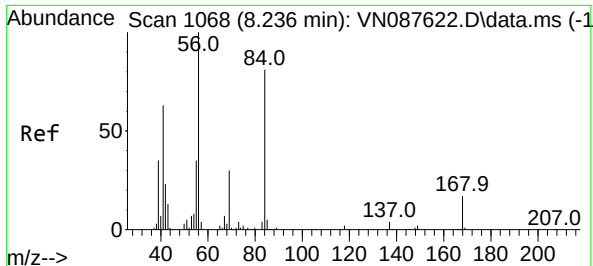
Tgt Ion:	84	Resp:	3257
Ion	Ratio	Lower	Upper
84	100		
49	109.8	103.4	155.2
51	18.1	33.8	50.8#
86	24.8	49.6	74.4#



#25
2-Butanone
Concen: 0.311 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.029 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Tgt Ion:	43	Resp:	1121
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#

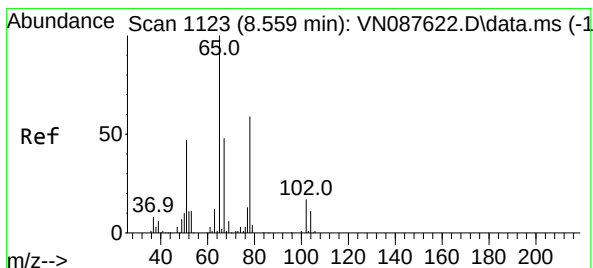
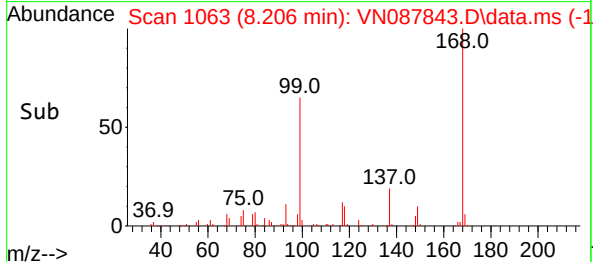
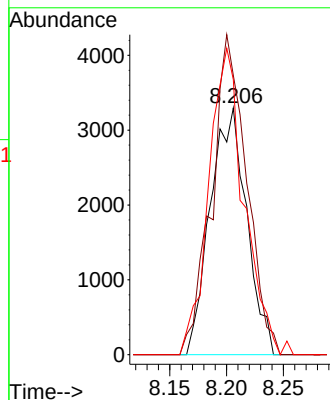
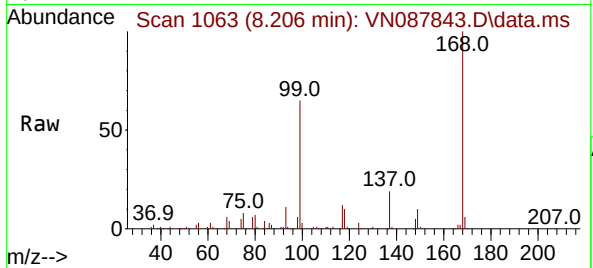




#31
Cyclohexane
Concen: 1.161 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

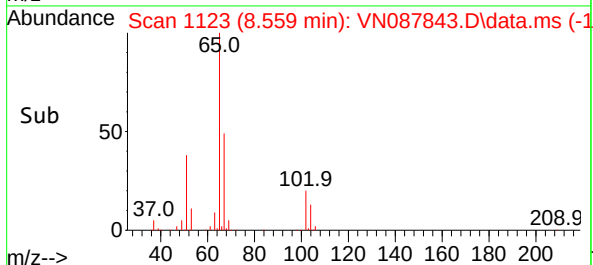
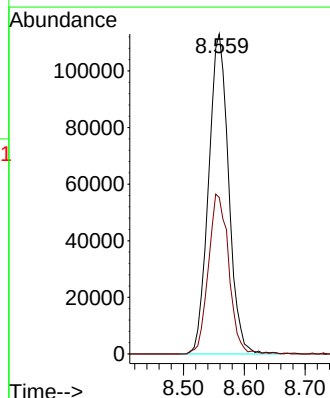
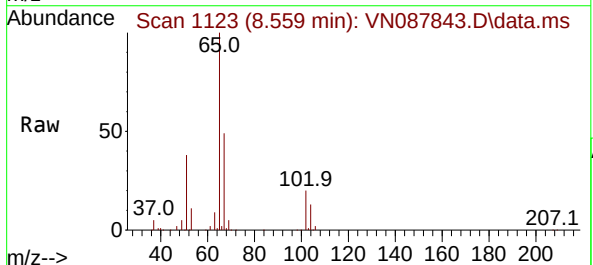
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MOO-25-0259

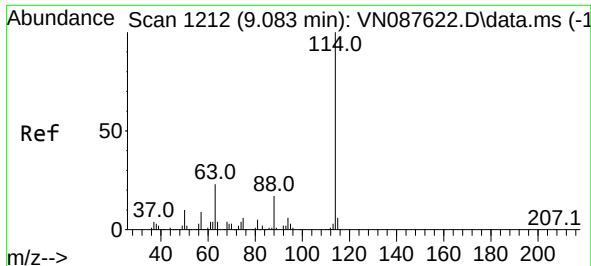
Tgt Ion: 56 Resp: 7340
Ion Ratio Lower Upper
56 100
69 113.2 23.7 35.5#
84 111.5 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 51.399 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Tgt Ion: 65 Resp: 258431
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.0

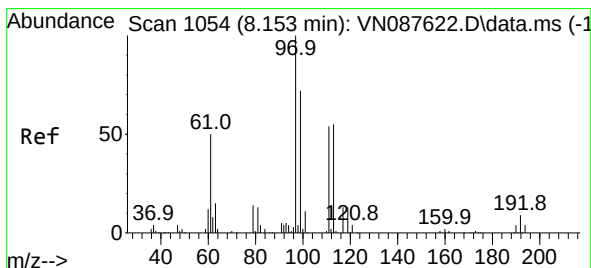
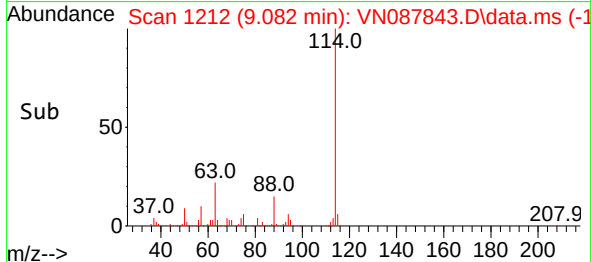
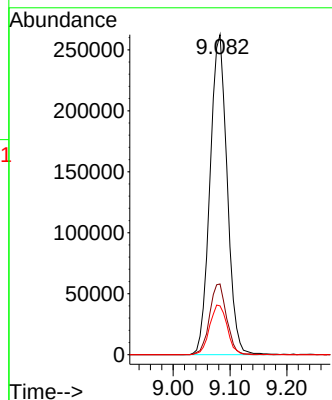
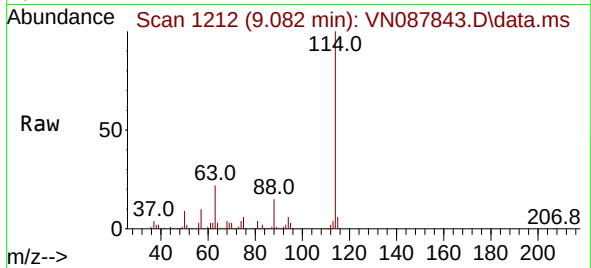




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

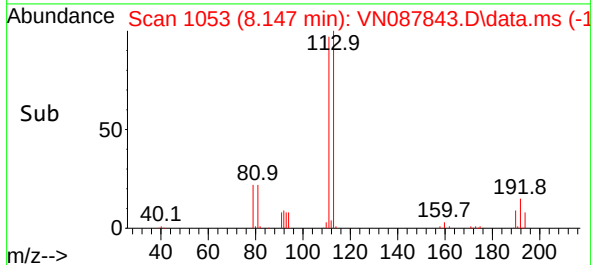
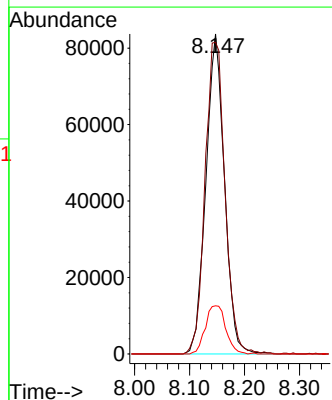
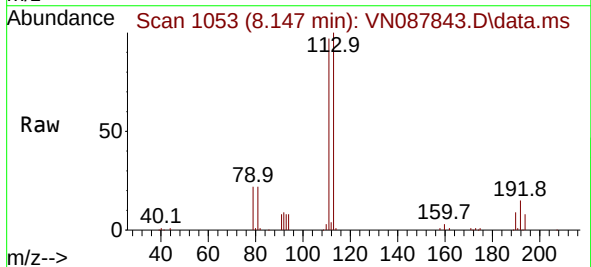
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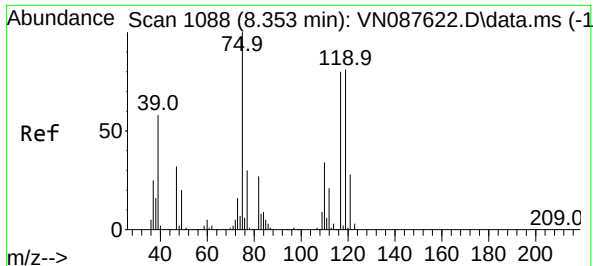
Tgt Ion:114 Resp: 548593
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.2
88 15.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.681 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Tgt Ion:113 Resp: 196779
Ion Ratio Lower Upper
113 100
111 104.3 82.8 124.2
192 16.5 12.8 19.2

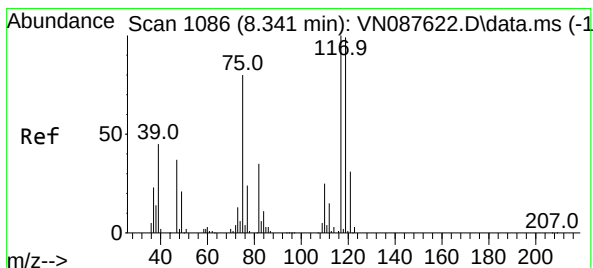
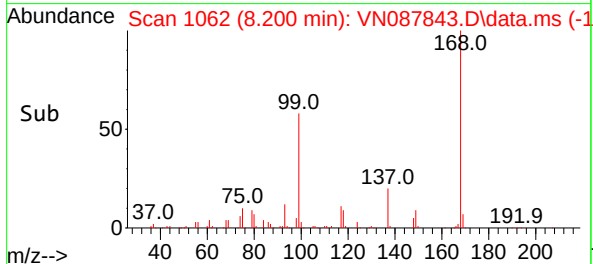
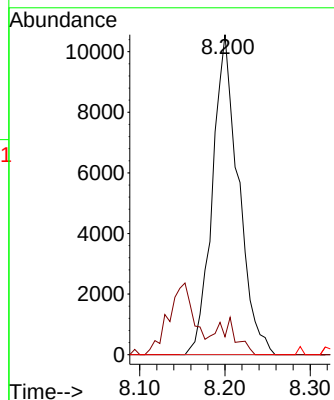
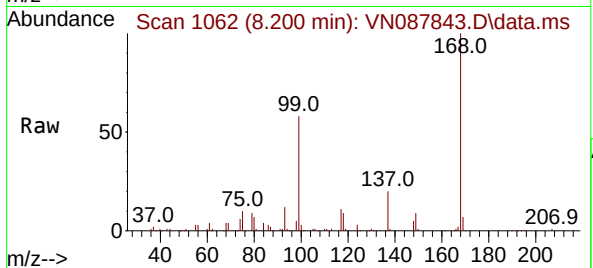




#36
1,1-Dichloropropene
Concen: 3.683 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

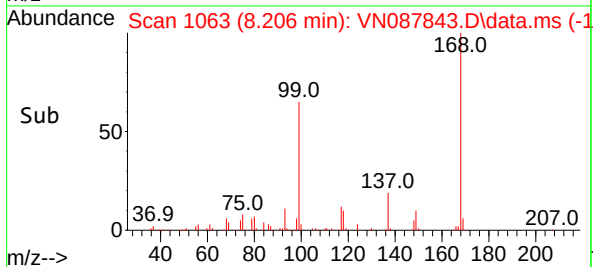
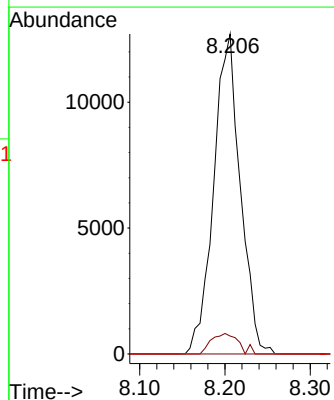
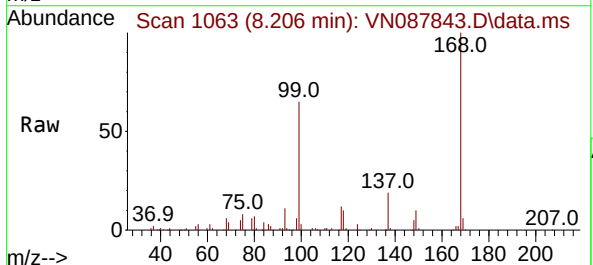
Instrument :
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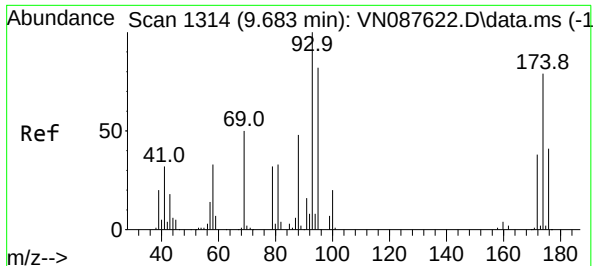
Tgt Ion: 75 Resp: 22380
Ion Ratio Lower Upper
75 100
110 8.0 15.9 47.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.601 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Tgt Ion: 117 Resp: 27605
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 25.0 37.6#





#49

1,4-Dioxane

Concen: 0.679 ug/l

RT: 9.818 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN087843.D

Acq: 15 Sep 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0259

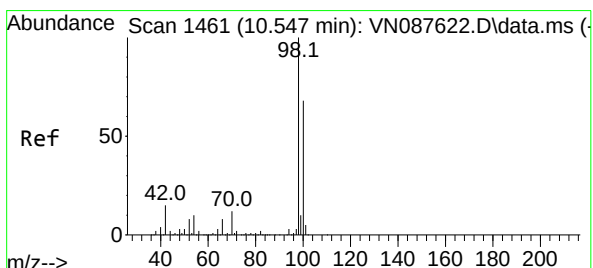
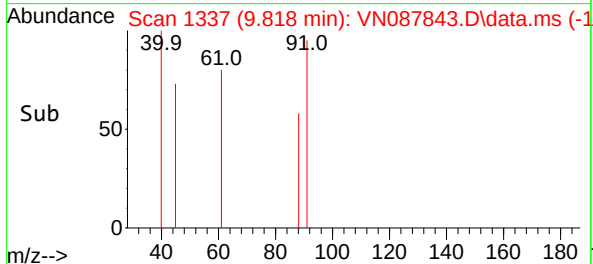
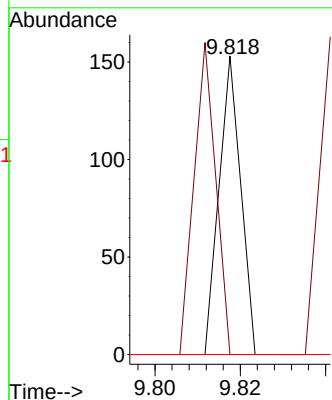
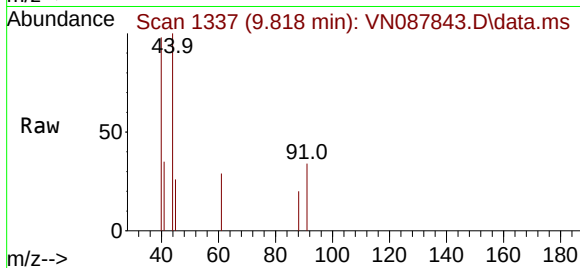
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 103.7 0.0 0.0#

58 0.0 57.9 86.9#



#50

Toluene-d8

Concen: 46.794 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN087843.D

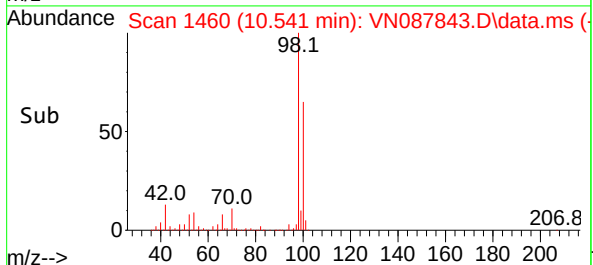
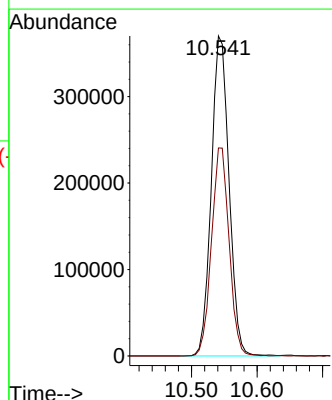
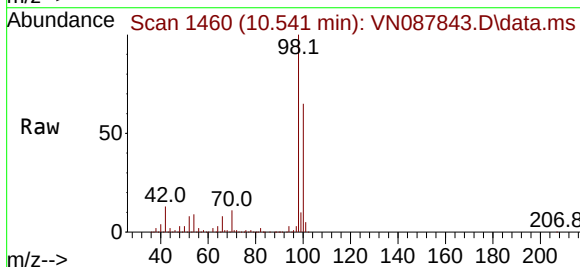
Acq: 15 Sep 2025 17:06

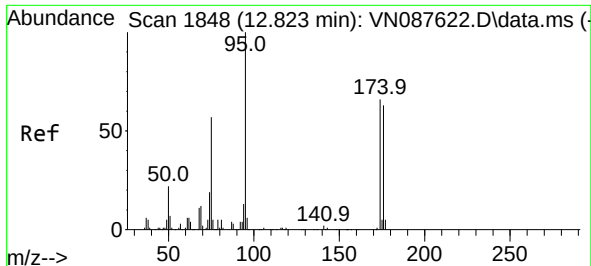
Tgt Ion: 98 Resp: 693705

Ion Ratio Lower Upper

98 100

100 64.8 52.8 79.2





#62

4-Bromofluorobenzene

Concen: 45.201 ug/l

RT: 12.829 min Scan# 1848

Delta R.T. 0.006 min

Lab File: VN087843.D

Acq: 15 Sep 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0259

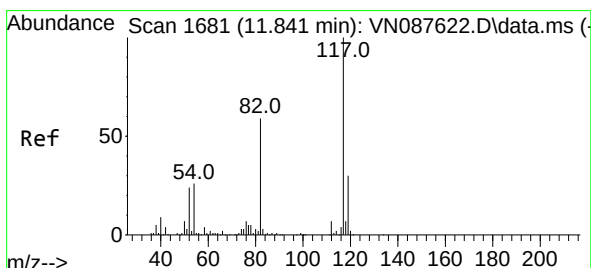
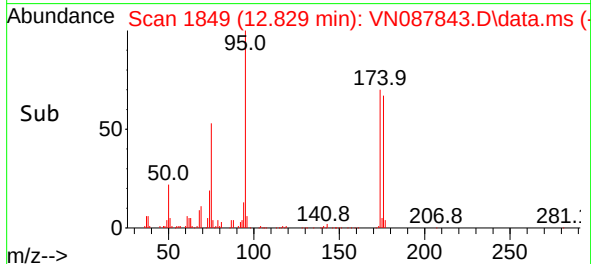
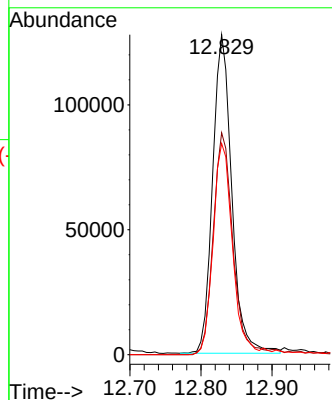
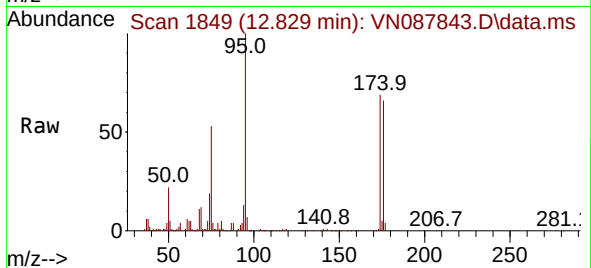
Tgt Ion: 95 Resp: 238303

Ion Ratio Lower Upper

95 100

174 71.3 0.0 138.4

176 66.8 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: VN087843.D

Acq: 15 Sep 2025 17:06

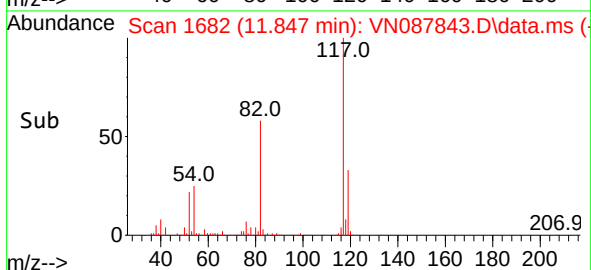
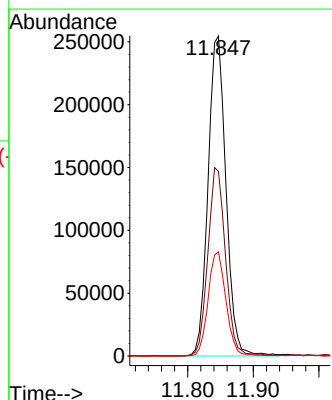
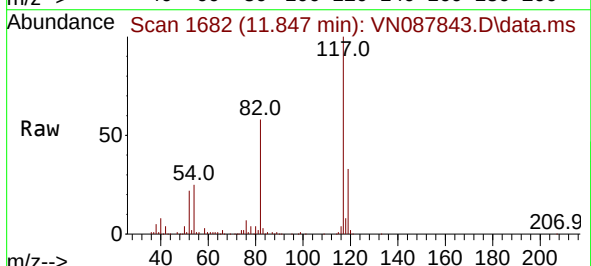
Tgt Ion: 117 Resp: 484539

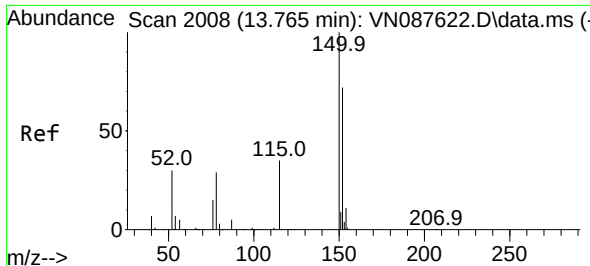
Ion Ratio Lower Upper

117 100

82 57.7 47.4 71.2

119 32.5 24.3 36.5

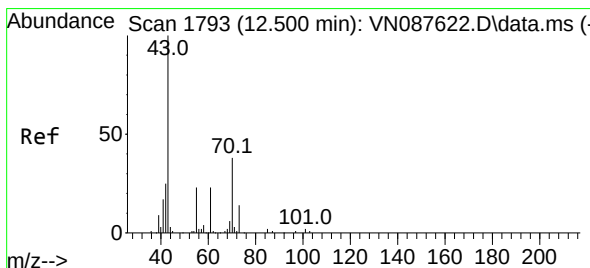
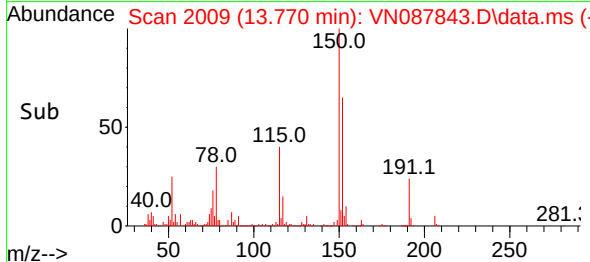
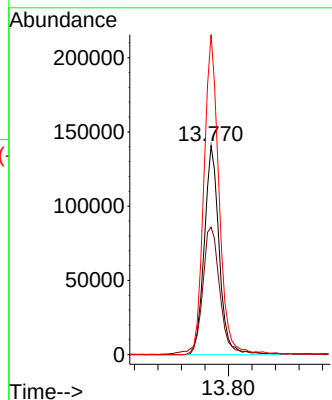
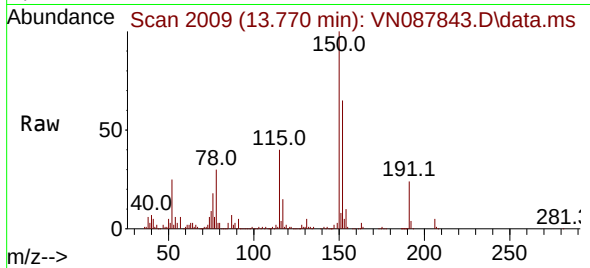




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2008
Delta R.T. 0.006 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

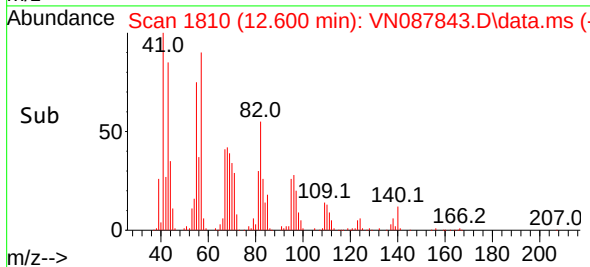
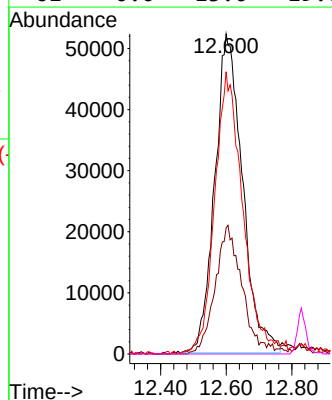
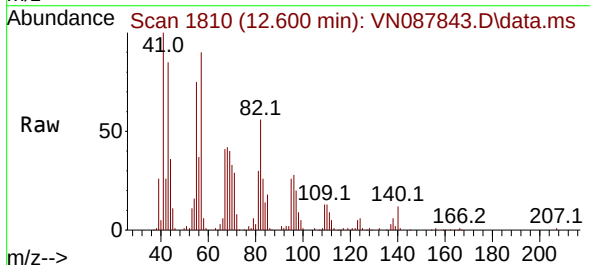
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0259

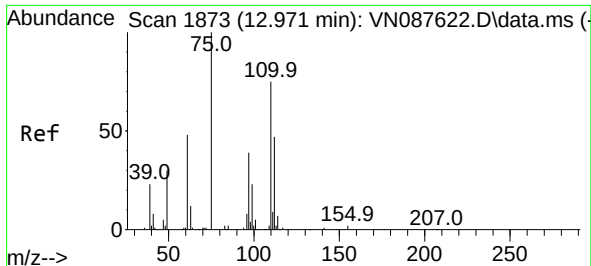
Tgt Ion:152 Resp: 248053
Ion Ratio Lower Upper
152 100
115 70.8 32.3 96.8
150 155.1 0.0 351.0



#74
N-ethyl acetate
Concen: 40.252 ug/l
RT: 12.600 min Scan# 1810
Delta R.T. 0.100 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Tgt Ion: 43 Resp: 305763
Ion Ratio Lower Upper
43 100
70 38.4 27.6 41.4
55 89.4 13.0 19.6#
61 0.0 13.0 19.6#

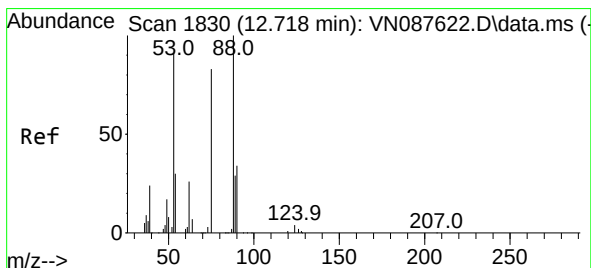
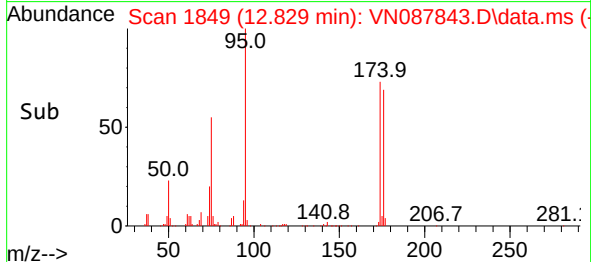
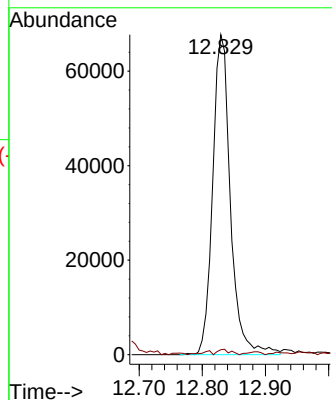
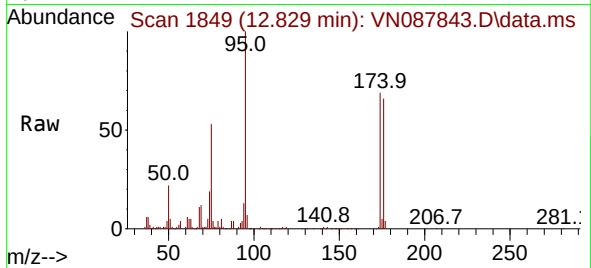




#76
1,2,3-Trichloropropane
Concen: 22.702 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

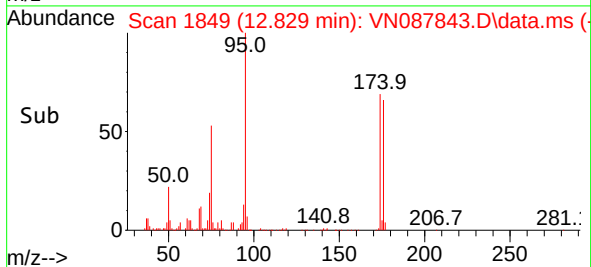
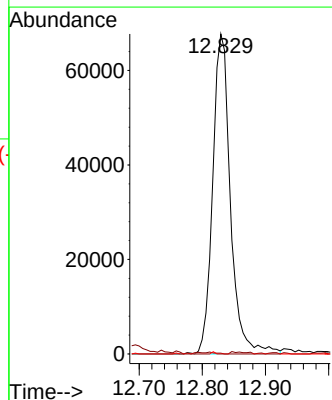
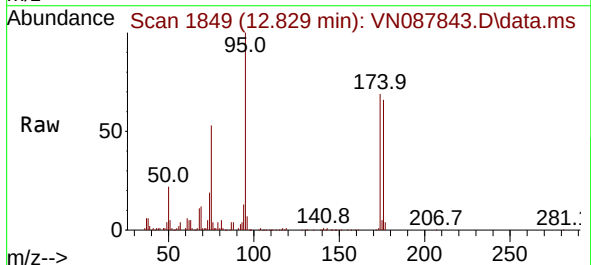
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0259

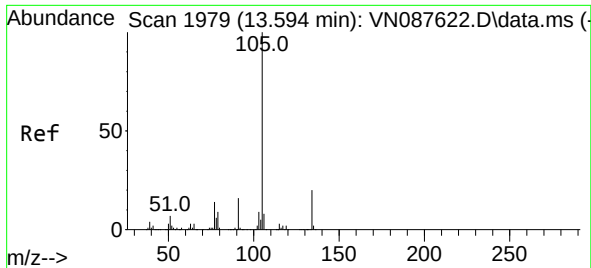
Tgt Ion: 75 Resp: 132056
Ion Ratio Lower Upper
75 100
77 1.1 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.101 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Tgt Ion: 75 Resp: 132056
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#





#85
sec-Butylbenzene
Concen: 0.765 ug/l
RT: 13.764 min Scan# 20
Delta R.T. 0.170 min
Lab File: VN087843.D
Acq: 15 Sep 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0259

Tgt Ion:105 Resp: 16093
Ion Ratio Lower Upper
105 100
134 12.7 9.6 28.6

