

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090825\
 Data File : VN087754.D
 Acq On : 08 Sep 2025 12:30
 Operator : JC\MD
 Sample : Q3036-03 4000X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EGR-2

Quant Time: Sep 09 02:26:57 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)

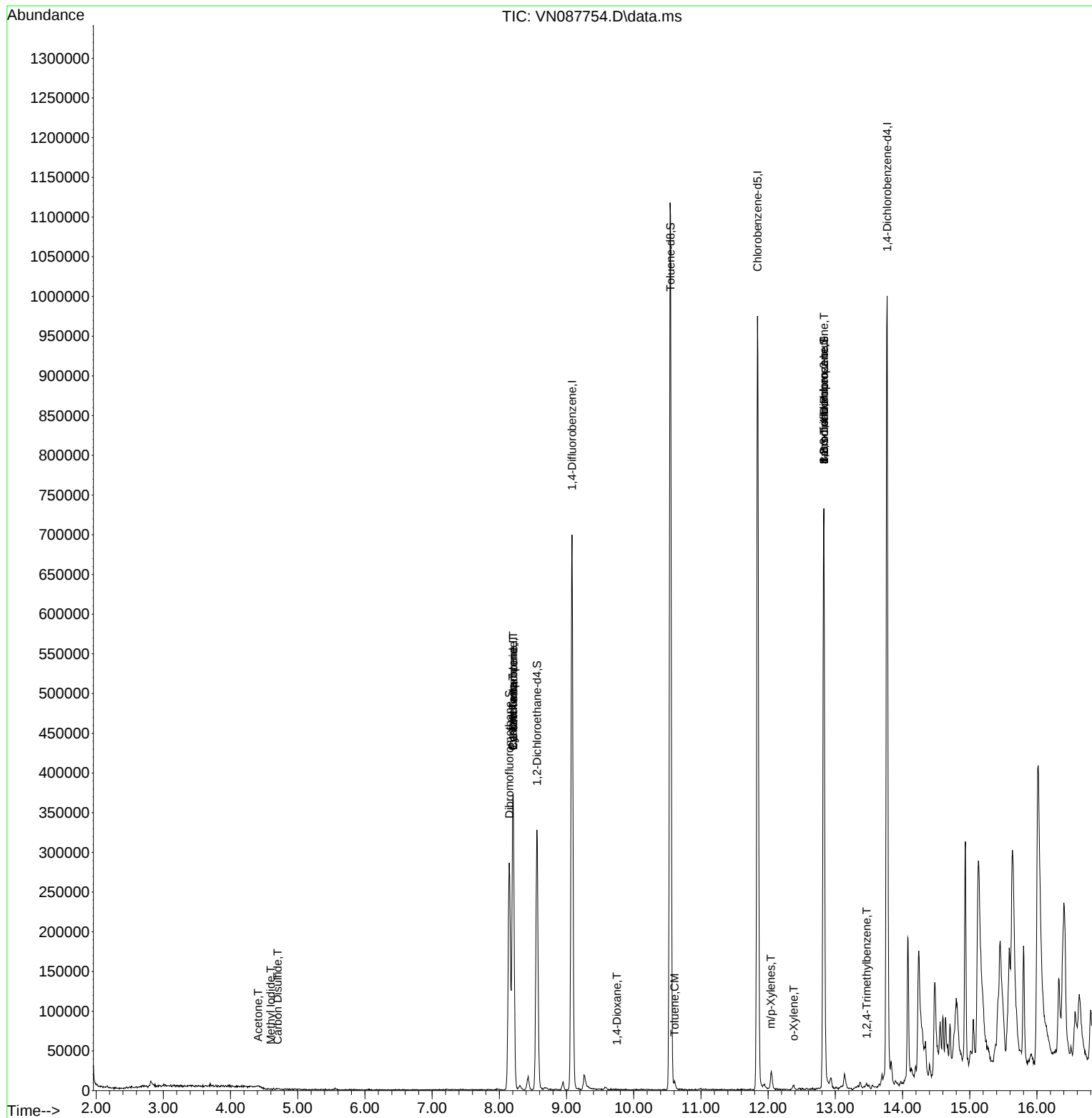
Internal Standards						
1) Pentafluorobenzene	8.206	168	246375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	570287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	530434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	251773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	268989	53.287	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.580%	
35) Dibromofluoromethane	8.147	113	205837	49.991	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.980%	
50) Toluene-d8	10.547	98	745941	48.403	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.800%	
62) 4-Bromofluorobenzene	12.829	95	254363	46.411	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.820%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.601	142	209	6.880	ug/l #	38
16) Acetone	4.412	43	3881	1.412	ug/l #	69
17) Carbon Disulfide	4.701	76	2002	0.205	ug/l #	74
20) Methylene Chloride	5.271	84	59	Below Cal	#	53
31) Cyclohexane	8.200	56	9561	1.506	ug/l #	48
36) 1,1-Dichloropropene	8.206	75	23999	3.799	ug/l #	53
38) Carbon Tetrachloride	8.206	117	27485	4.407	ug/l #	16
49) 1,4-Dioxane	9.747	88	70	0.847	ug/l #	13
52) Toluene	10.606	92	3831	0.319	ug/l	96
68) m/p-Xylenes	12.041	106	6357	0.759	ug/l	89
69) o-Xylene	12.382	106	1945	0.237	ug/l	60
71) Bromoform	12.829	173	2551	0.759	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	151977	25.740	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	151977	68.145	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.465	105	3566	0.206	ug/l	91

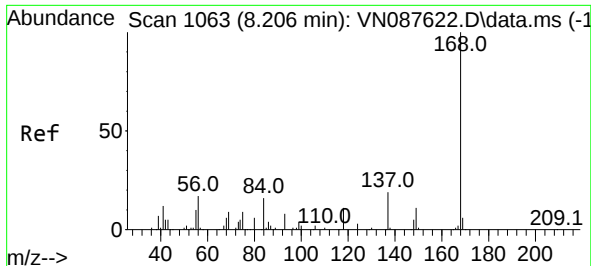
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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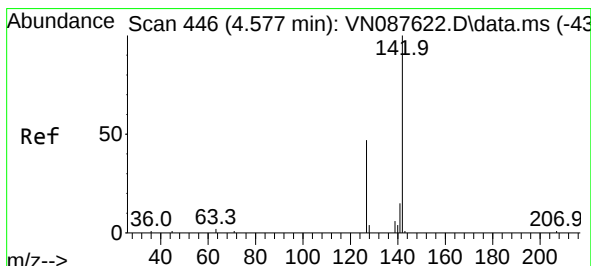
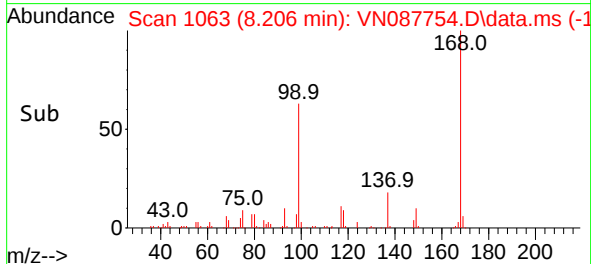
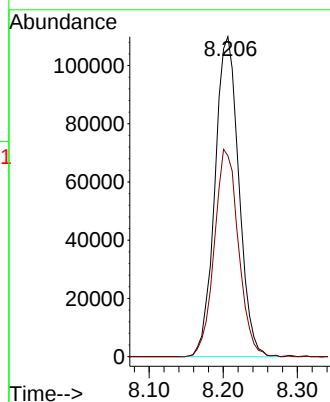
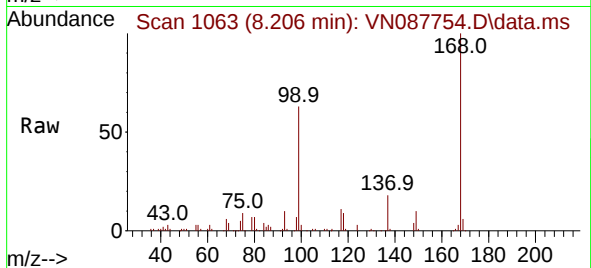




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

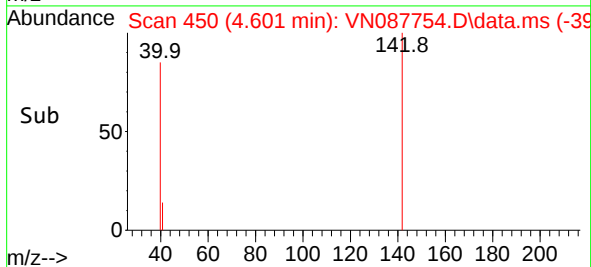
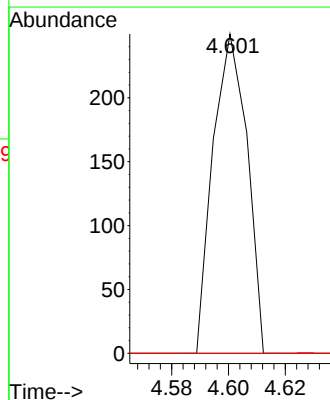
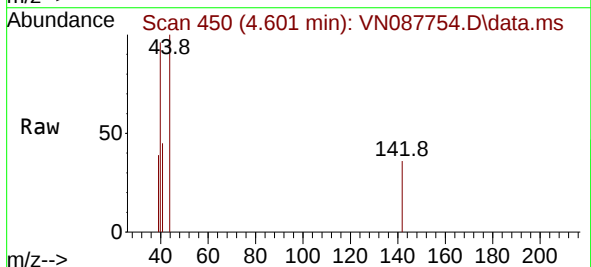
Instrument :
MSVOA_N
ClientSampleId :
EGR-2

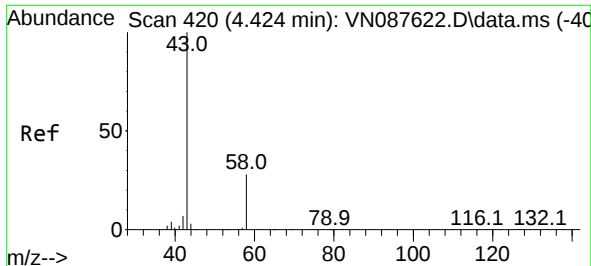
Tgt Ion:168 Resp: 246375
Ion Ratio Lower Upper
168 100
99 62.8 57.2 85.8



#10
Methyl Iodide
Concen: 6.880 ug/l
RT: 4.601 min Scan# 450
Delta R.T. 0.024 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Tgt Ion:142 Resp: 209
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

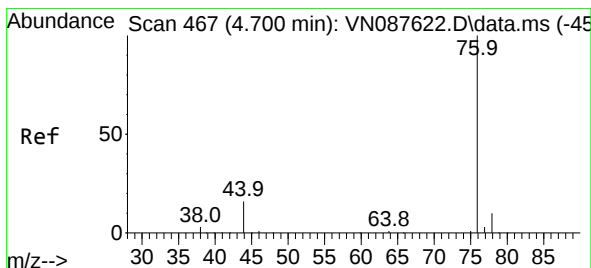
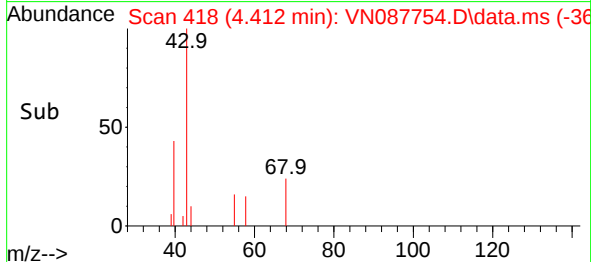
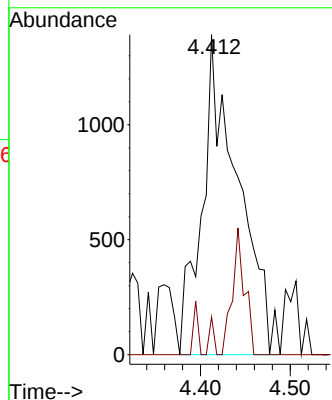
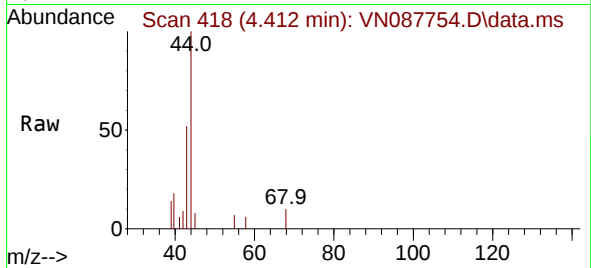




#16
Acetone
Concen: 1.412 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

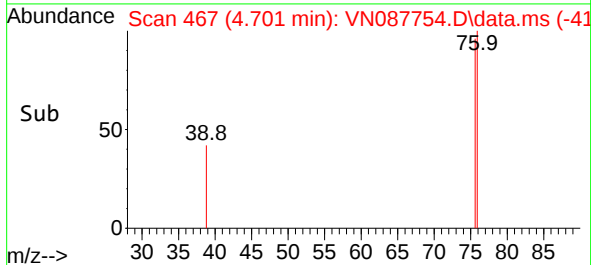
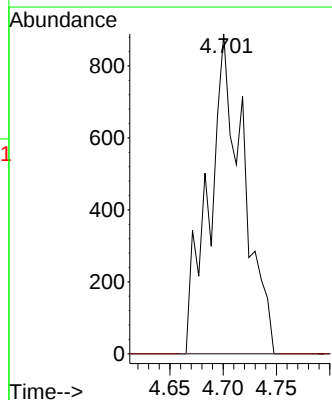
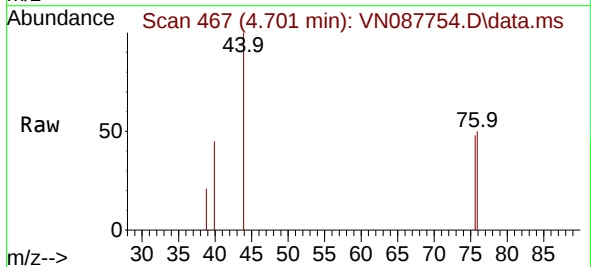
Instrument :
MSVOA_N
ClientSampleId :
EGR-2

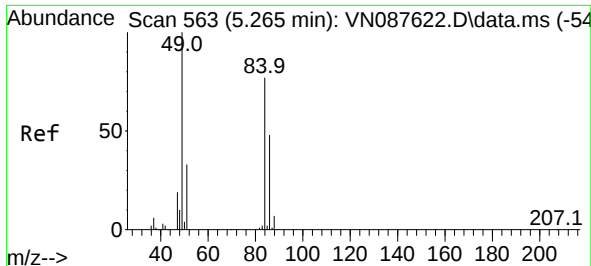
Tgt Ion: 43 Resp: 3881
Ion Ratio Lower Upper
43 100
58 11.8 22.6 33.8#



#17
Carbon Disulfide
Concen: 0.205 ug/l
RT: 4.701 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Tgt Ion: 76 Resp: 2002
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



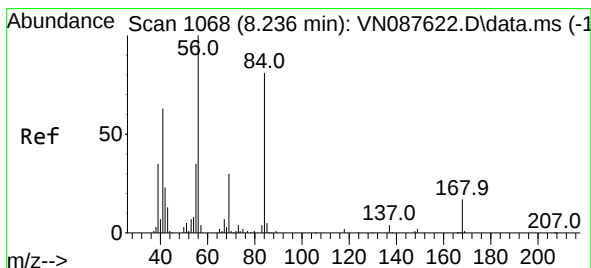
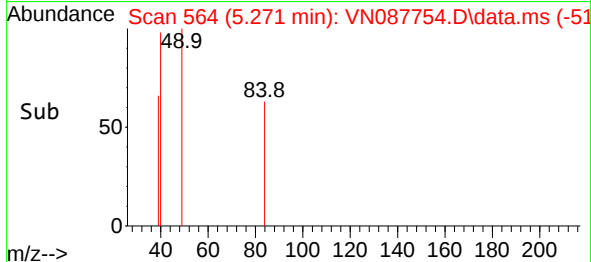
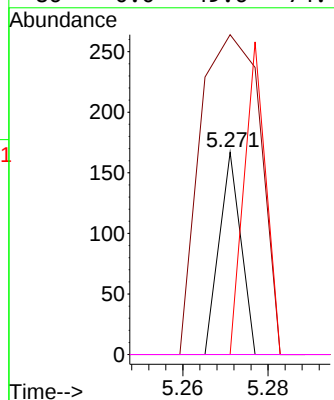
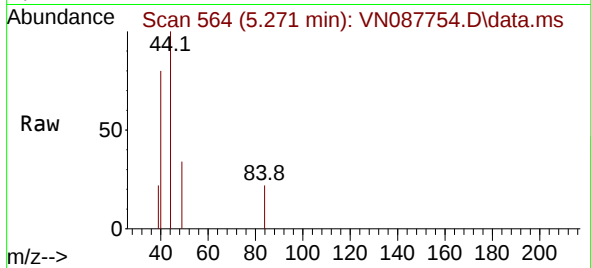


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
EGR-2

Tgt Ion: 84 Resp: 59

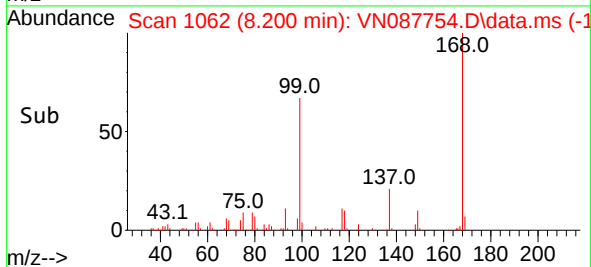
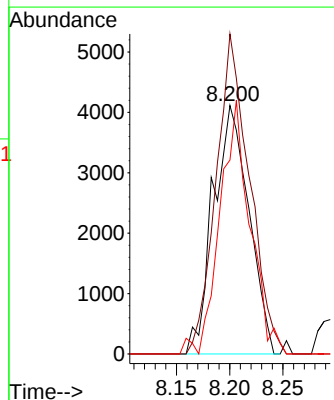
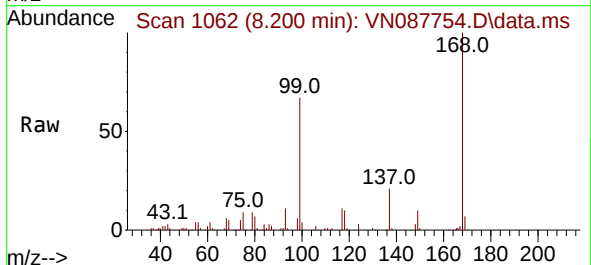
Ion	Ratio	Lower	Upper
84	100		
49	158.1	103.4	155.2#
51	0.0	33.8	50.8#
86	0.0	49.6	74.4#

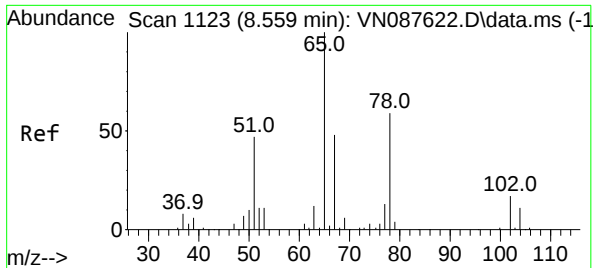


#31
Cyclohexane
Concen: 1.506 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Tgt Ion: 56 Resp: 9561

Ion	Ratio	Lower	Upper
56	100		
69	128.8	23.7	35.5#
84	78.0	64.7	97.1





#33

1,2-Dichloroethane-d4

Concen: 53.287 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087754.D

Acq: 08 Sep 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

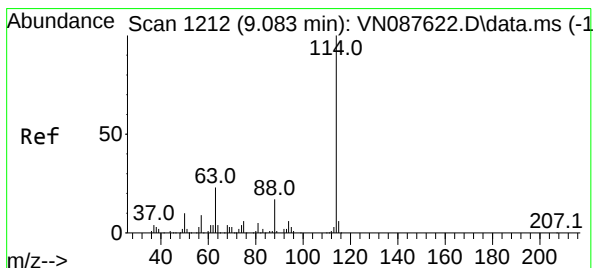
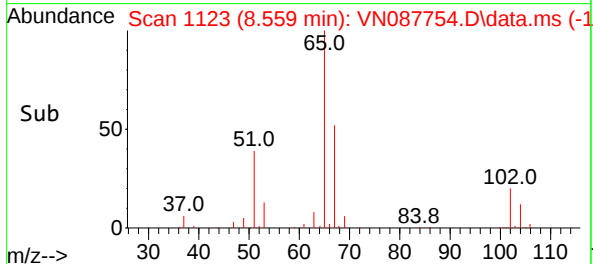
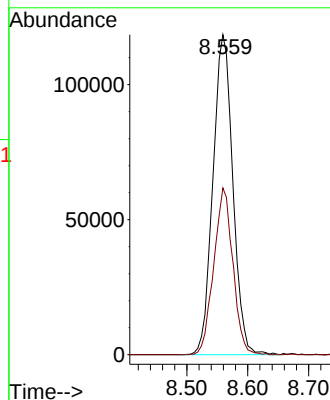
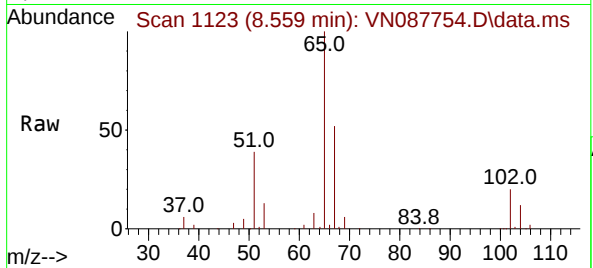
EGR-2

Tgt Ion: 65 Resp: 268989

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087754.D

Acq: 08 Sep 2025 12:30

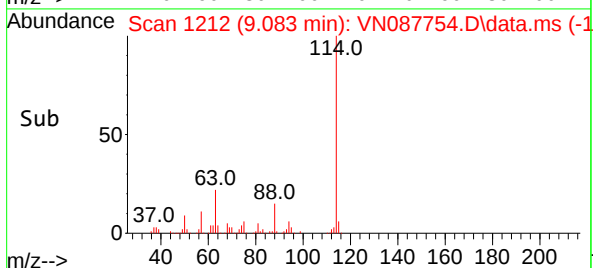
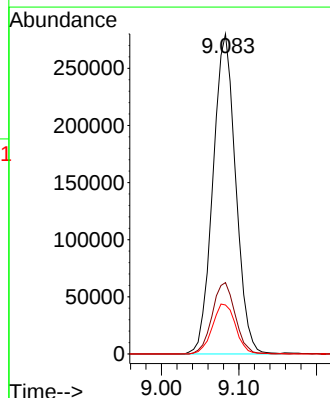
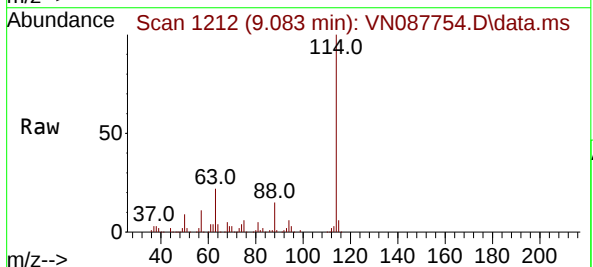
Tgt Ion: 114 Resp: 570287

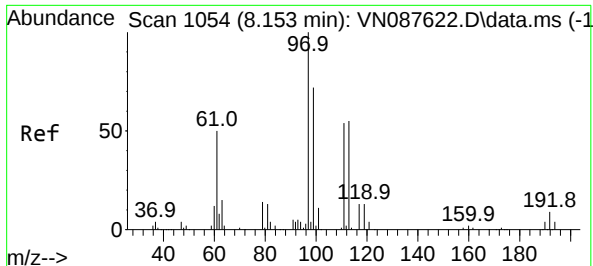
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.991 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087754.D

Acq: 08 Sep 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

EGR-2

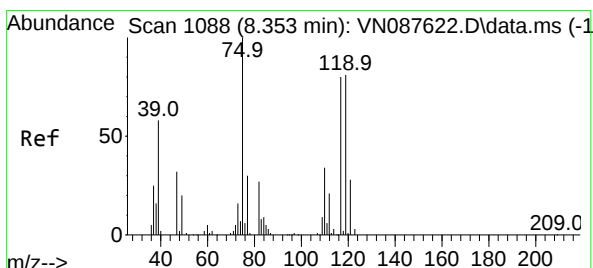
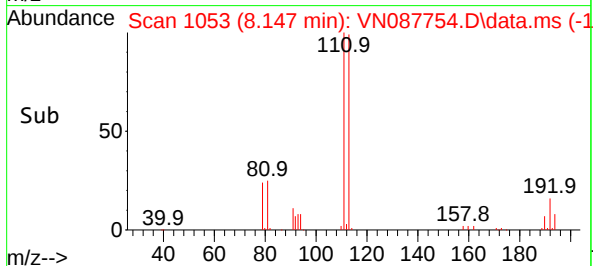
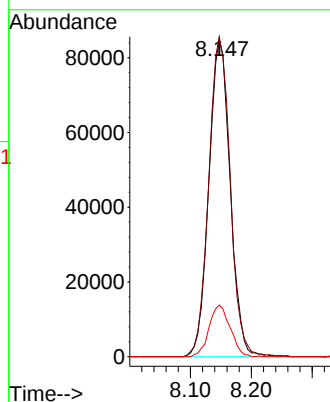
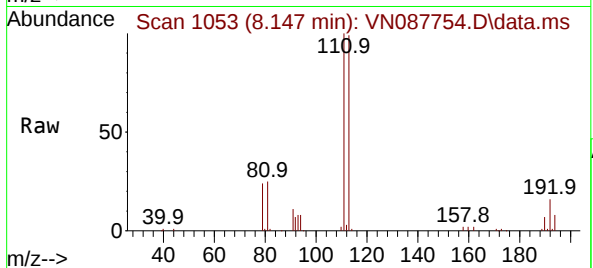
Tgt Ion:113 Resp: 205837

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

192 16.1 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.799 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087754.D

Acq: 08 Sep 2025 12:30

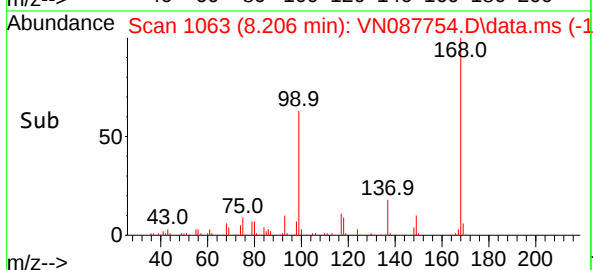
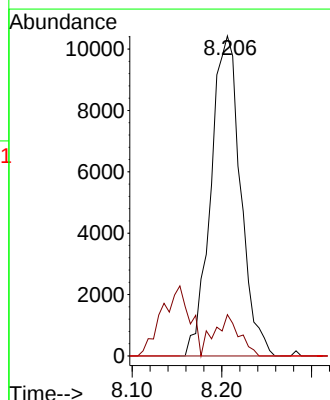
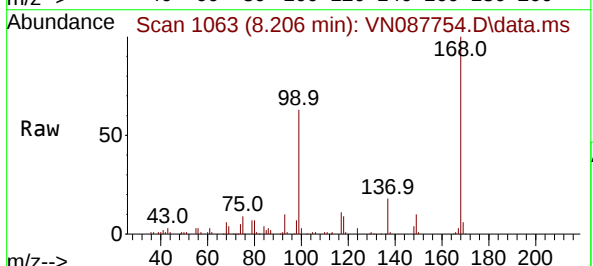
Tgt Ion: 75 Resp: 23999

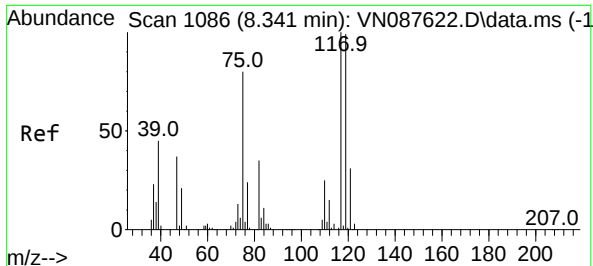
Ion Ratio Lower Upper

75 100

110 10.8 15.9 47.6#

77 0.0 24.4 36.6#

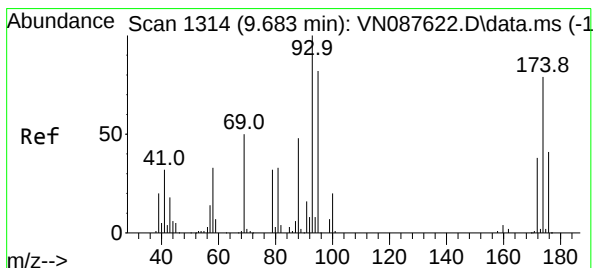
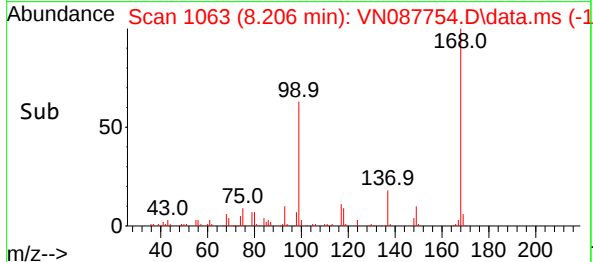
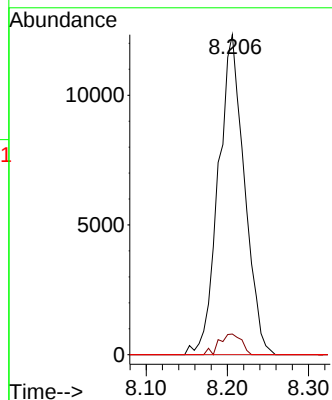
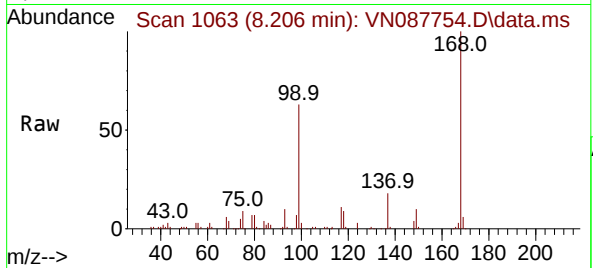




#38
Carbon Tetrachloride
Concen: 4.407 ug/l
RT: 8.206 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

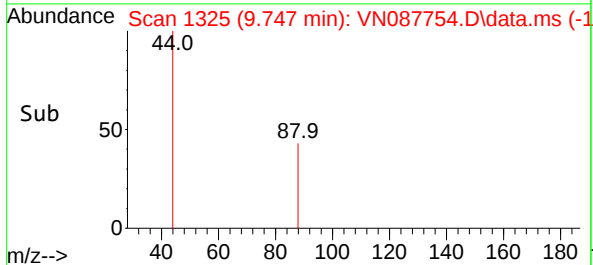
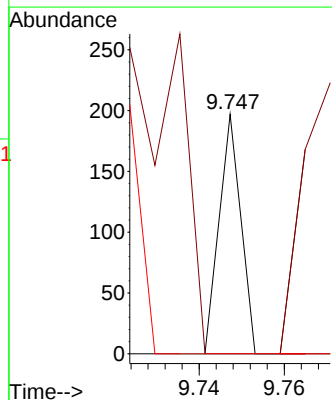
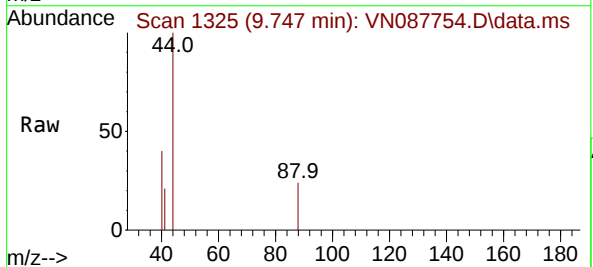
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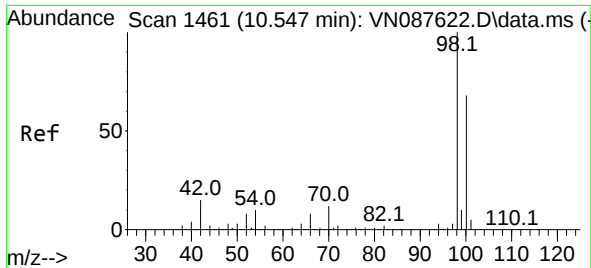
Tgt Ion:117 Resp: 27485
Ion Ratio Lower Upper
117 100
119 6.4 79.0 118.6#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 0.847 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 338.6 0.0 0.0#
58 0.0 57.9 86.9#

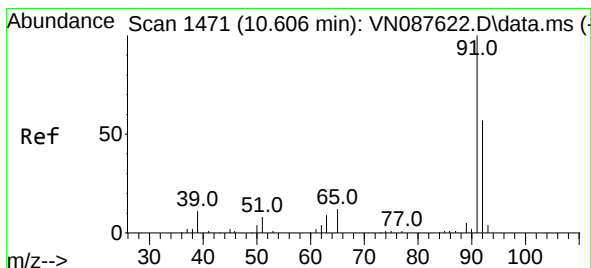
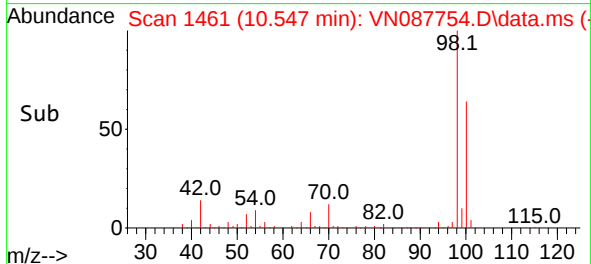
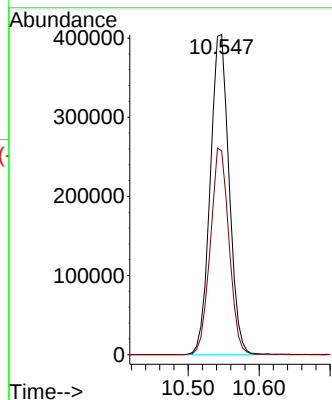
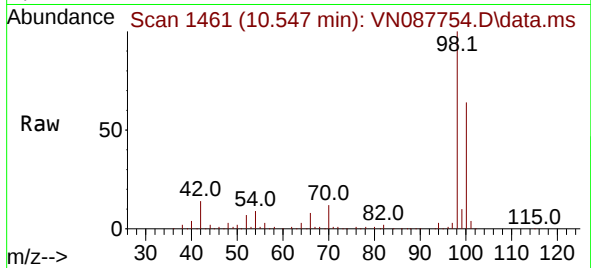




#50
Toluene-d8
Concen: 48.403 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

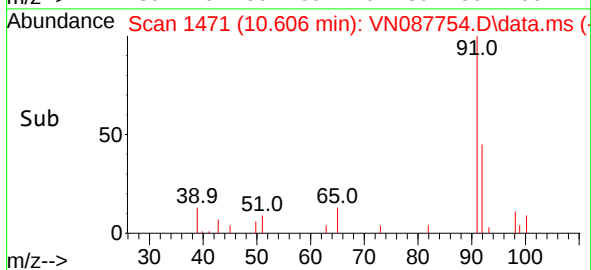
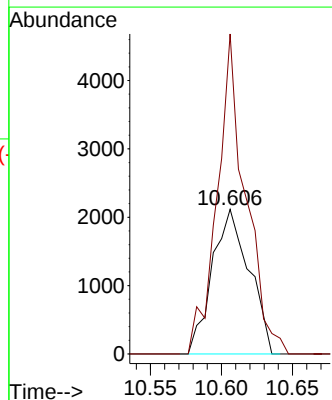
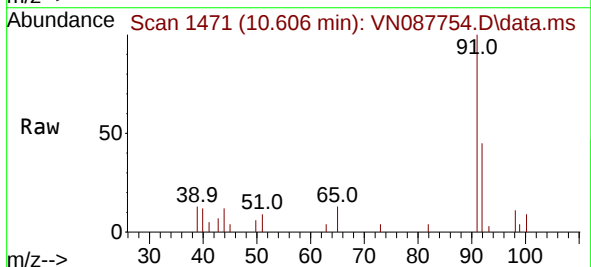
Instrument :
MSVOA_N
ClientSampleId :
EGR-2

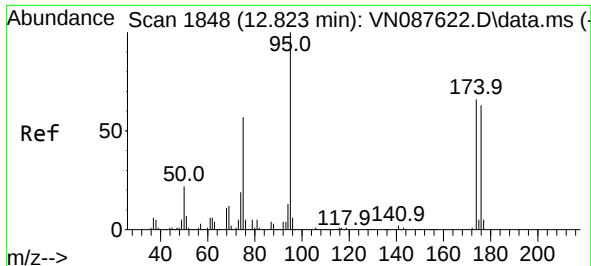
Tgt Ion: 98 Resp: 745941
Ion Ratio Lower Upper
98 100
100 63.9 52.8 79.2



#52
Toluene
Concen: 0.319 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Tgt Ion: 92 Resp: 3831
Ion Ratio Lower Upper
92 100
91 169.9 140.4 210.6

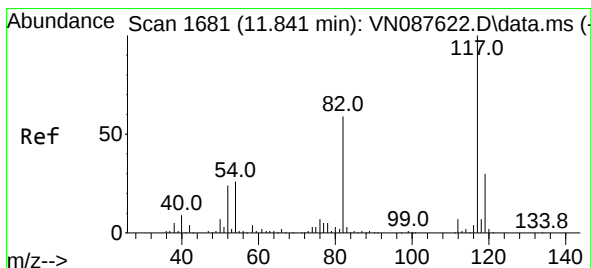
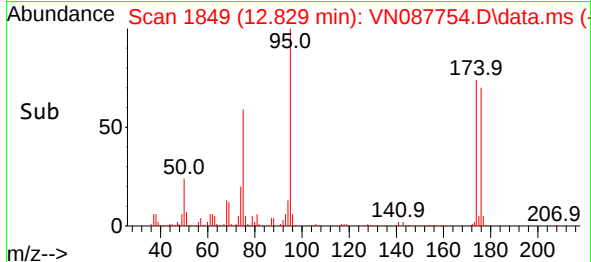
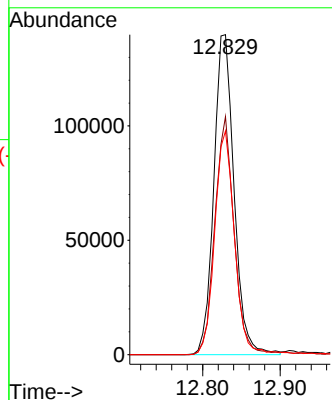
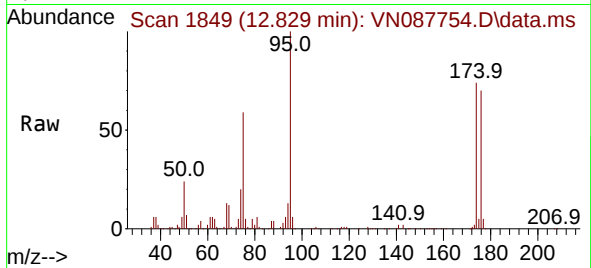




#62
4-Bromofluorobenzene
Concen: 46.411 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

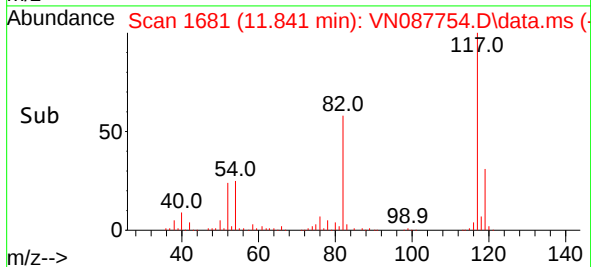
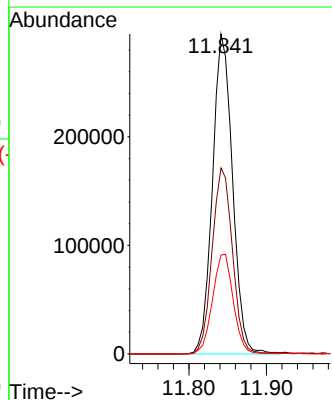
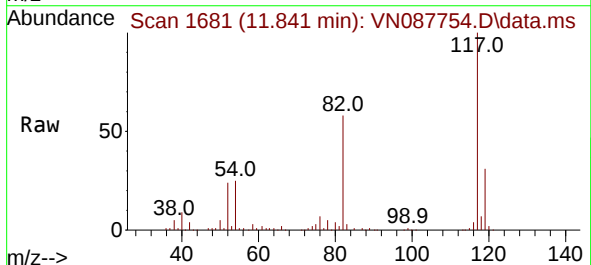
Instrument :
MSVOA_N
ClientSampleId :
EGR-2

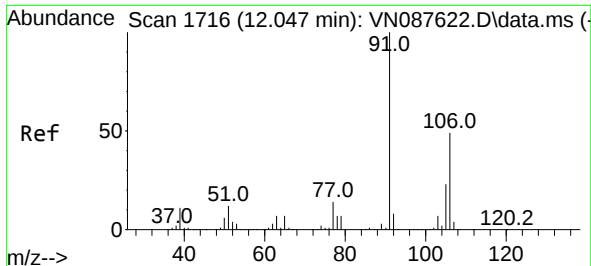
Tgt Ion: 95 Resp: 254363
Ion Ratio Lower Upper
95 100
174 71.1 0.0 138.4
176 68.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Tgt Ion: 117 Resp: 530434
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 30.9 24.3 36.5

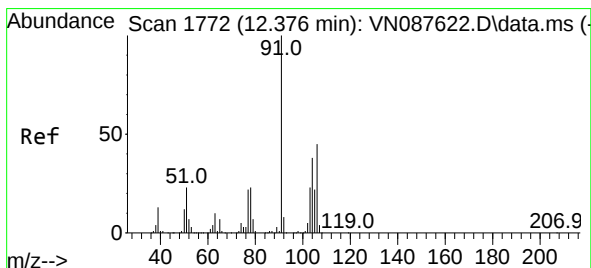
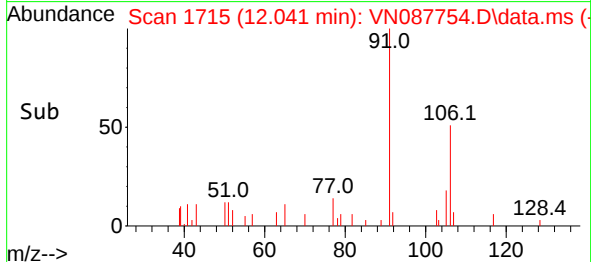
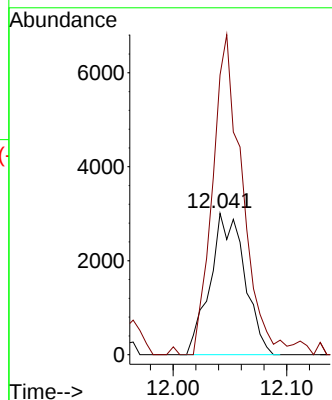
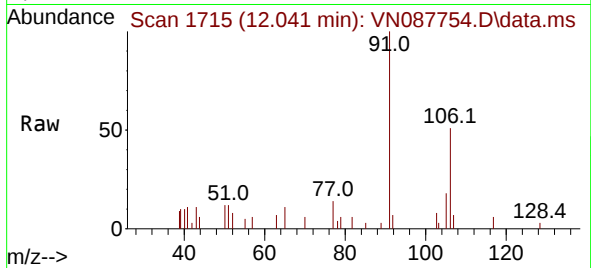




#68
m/p-Xylenes
Concen: 0.759 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

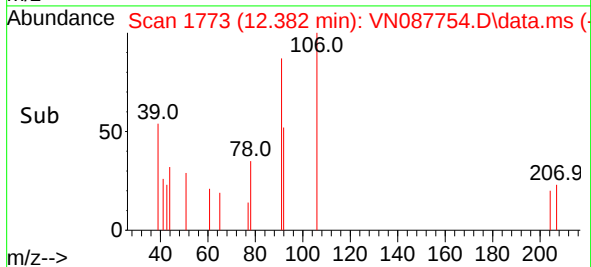
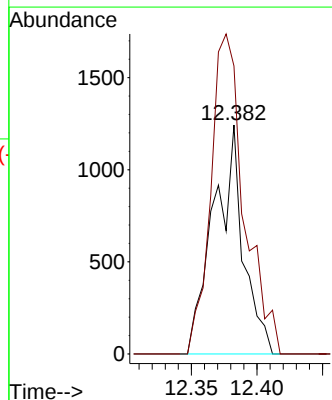
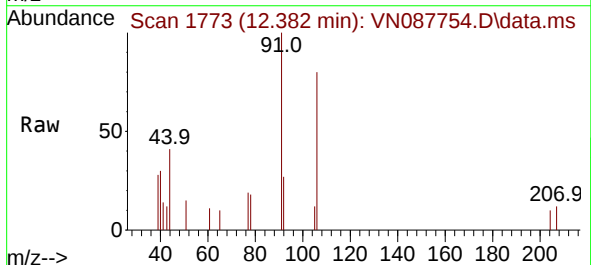
Instrument :
MSVOA_N
ClientSampleId :
EGR-2

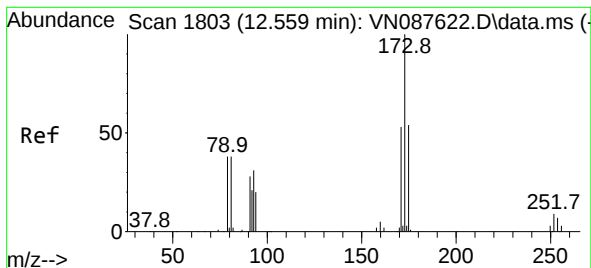
Tgt Ion:106 Resp: 6357
Ion Ratio Lower Upper
106 100
91 193.9 169.3 253.9



#69
o-Xylene
Concen: 0.237 ug/l
RT: 12.382 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Tgt Ion:106 Resp: 1945
Ion Ratio Lower Upper
106 100
91 158.4 111.4 334.2





#71

Bromoform

Concen: 0.759 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN087754.D

Acq: 08 Sep 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

EGR-2

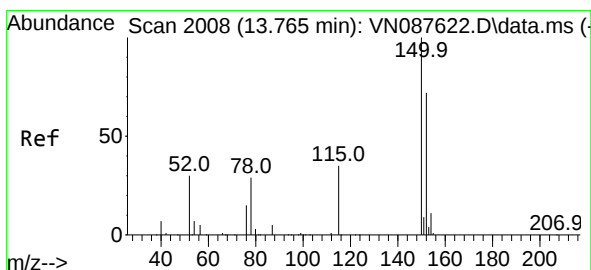
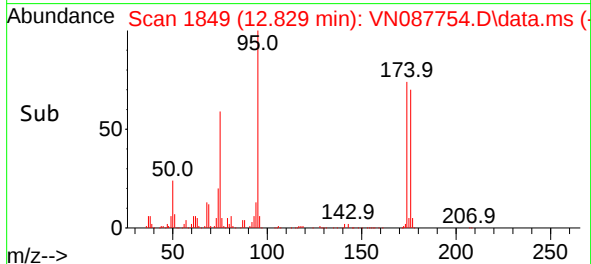
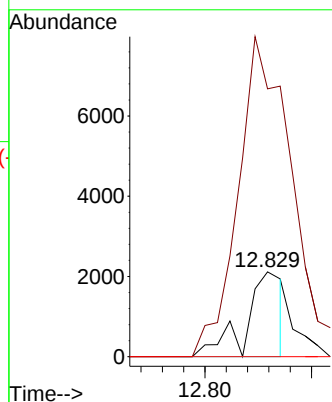
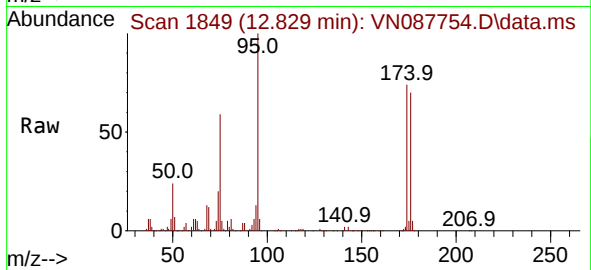
Tgt Ion:173 Resp: 2551

Ion Ratio Lower Upper

173 100

175 328.5 24.9 74.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN087754.D

Acq: 08 Sep 2025 12:30

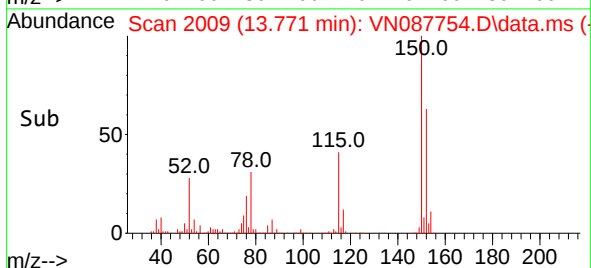
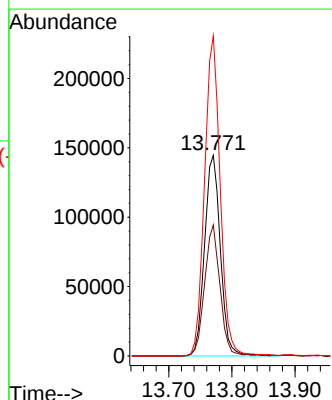
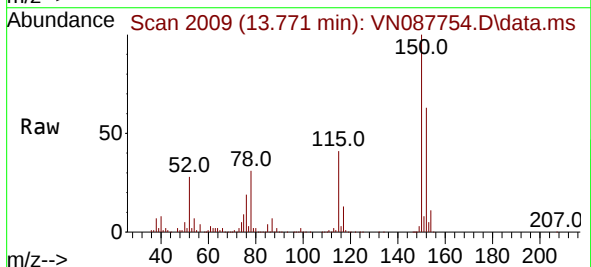
Tgt Ion:152 Resp: 251773

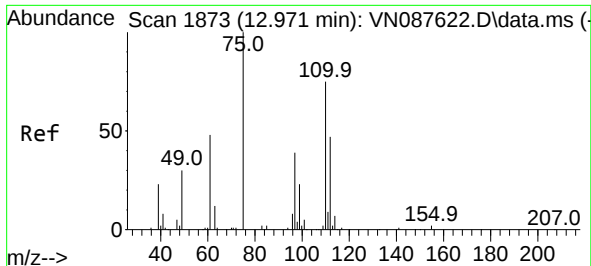
Ion Ratio Lower Upper

152 100

115 63.6 32.3 96.8

150 157.7 0.0 351.0

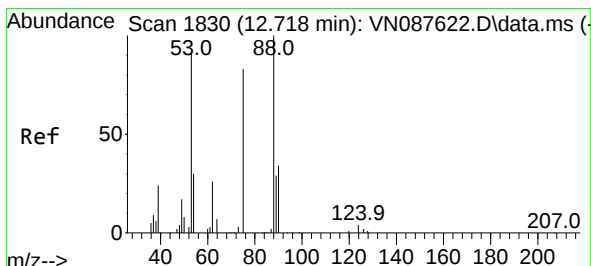
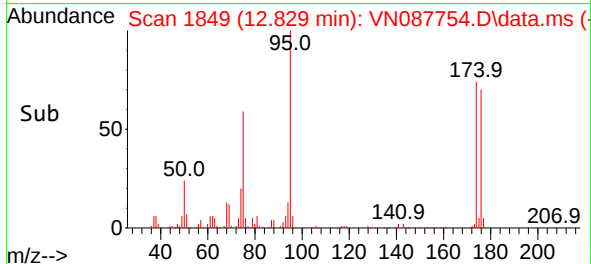
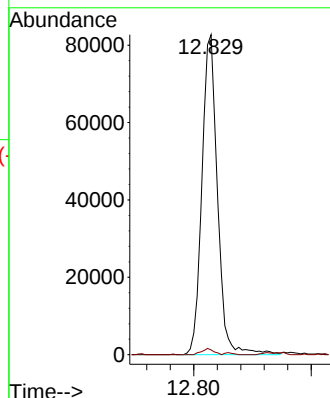
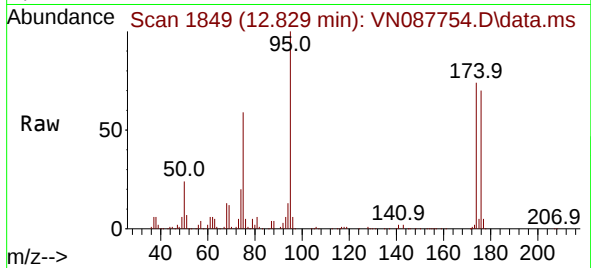




#76
1,2,3-Trichloropropane
Concen: 25.740 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

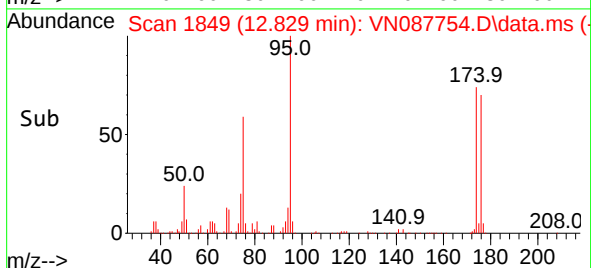
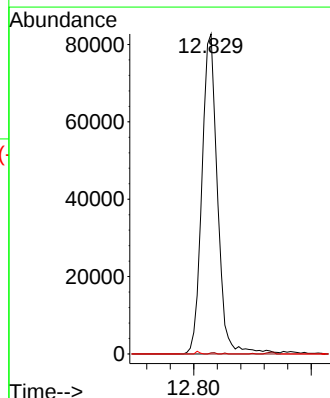
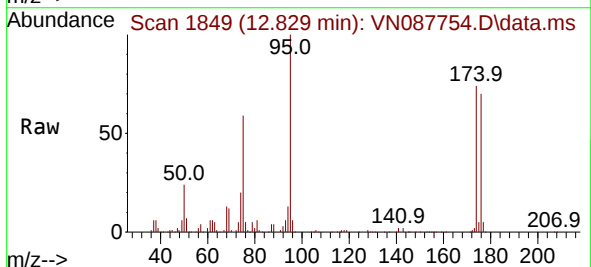
Instrument :
MSVOA_N
ClientSampleId :
EGR-2

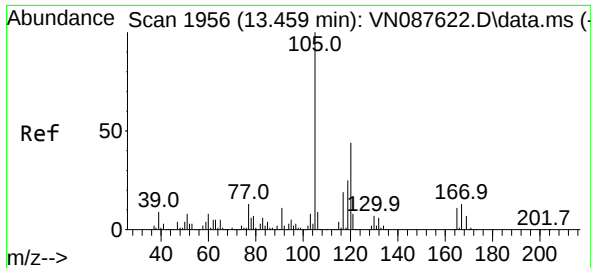
Tgt Ion: 75 Resp: 151977
Ion Ratio Lower Upper
75 100
77 1.5 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.145 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087754.D
Acq: 08 Sep 2025 12:30

Tgt Ion: 75 Resp: 151977
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.206 ug/l
 RT: 13.465 min Scan# 1957
 Delta R.T. 0.006 min
 Lab File: VN087754.D
 Acq: 08 Sep 2025 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 EGR-2

Tgt Ion:105 Resp: 3566
 Ion Ratio Lower Upper
 105 100
 120 50.1 22.0 66.0

