

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087940.D
 Acq On : 24 Sep 2025 11:46
 Operator : JC\MD
 Sample : Q3157-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

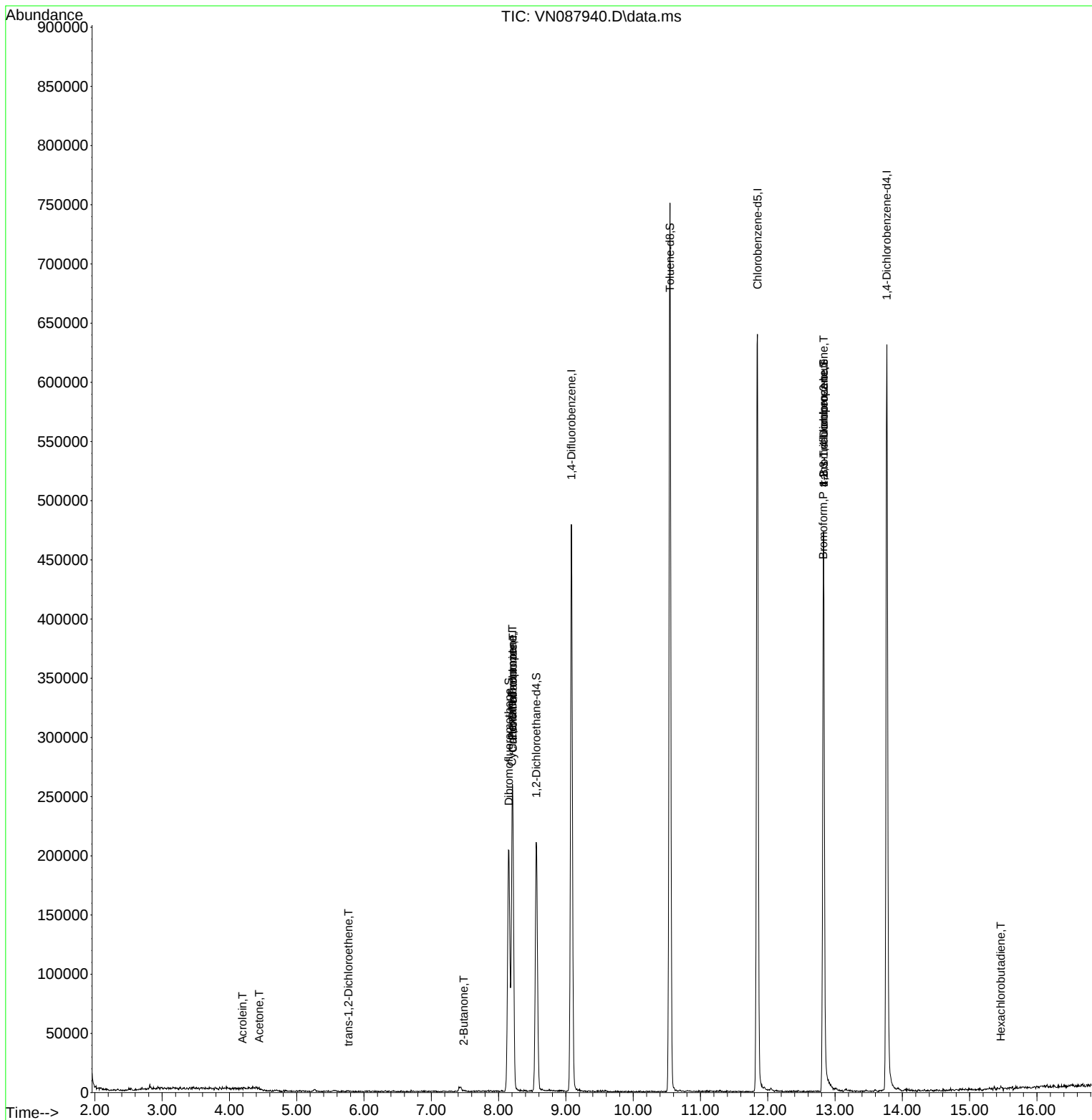
Quant Time: Sep 25 03:09:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

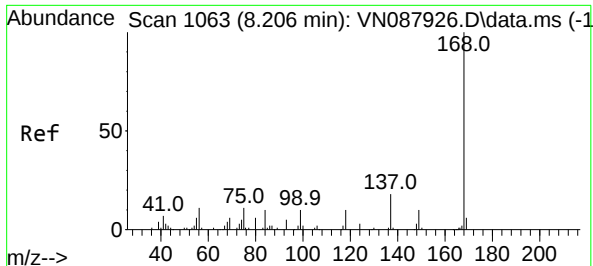
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	183948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	392279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	376769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	178103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	170353	55.029	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.060%	
35) Dibromofluoromethane	8.153	113	146172	51.321	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.640%	
50) Toluene-d8	10.547	98	497721	49.693	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.380%	
62) 4-Bromofluorobenzene	12.829	95	162785	45.469	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.940%	
Target Compounds						
					Qvalue	
13) Acrolein	4.194	56	161	0.281	ug/l	85
16) Acetone	4.442	43	1479	1.161	ug/l #	45
21) trans-1,2-Dichloroethene	5.771	96	474	0.200	ug/l #	13
25) 2-Butanone	7.483	43	398	0.204	ug/l #	48
31) Cyclohexane	8.200	56	4596	1.324	ug/l #	22
36) 1,1-Dichloropropene	8.206	75	16952	4.950	ug/l #	53
38) Carbon Tetrachloride	8.212	117	20610	5.244	ug/l #	19
71) Bromoform	12.823	173	1602	0.683	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	91719	26.125	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	91719	72.544	ug/l #	9
94) Hexachlorobutadiene	15.464	225	319	0.266	ug/l #	73

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

Quant Time: Sep 25 03:09:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

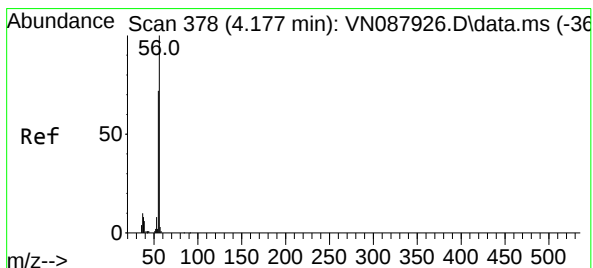
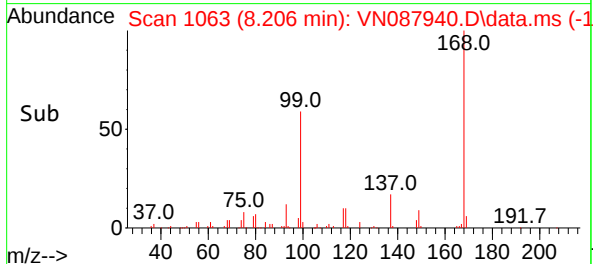
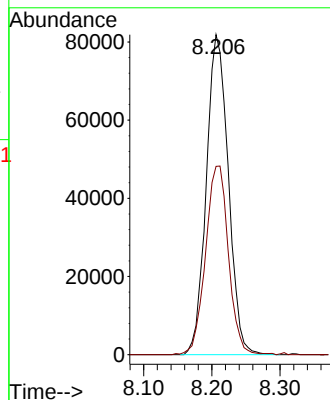
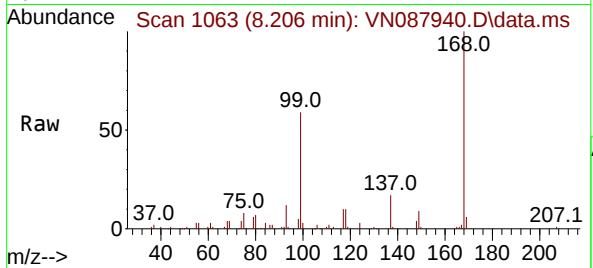




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

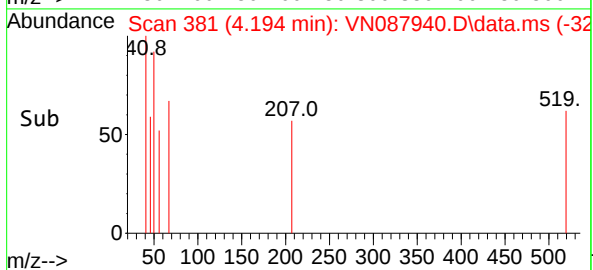
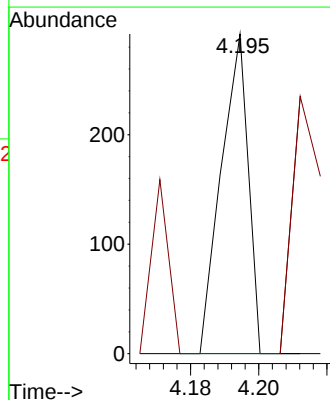
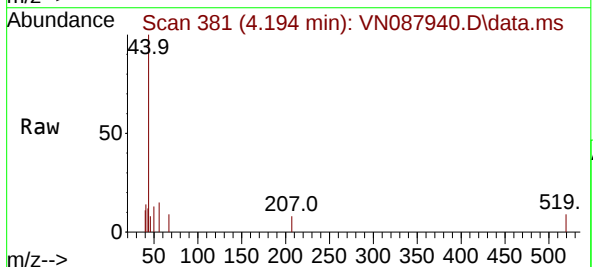
Instrument :
MSVOA_N
ClientSampleId :
TB

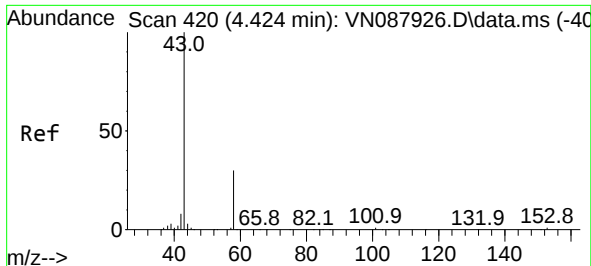
Tgt Ion:168 Resp: 183948
Ion Ratio Lower Upper
168 100
99 58.7 52.2 78.2



#13
Acrolein
Concen: 0.281 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 87.0 59.3 88.9

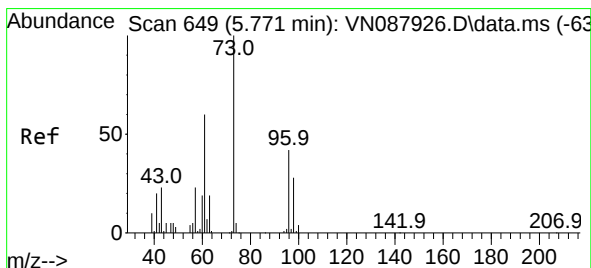
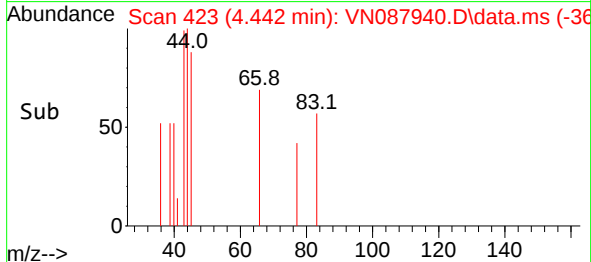
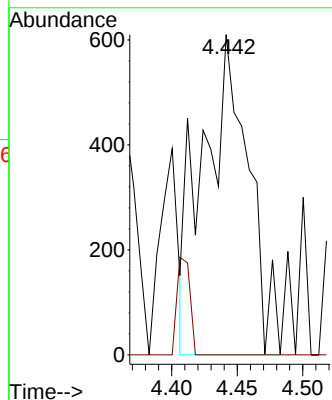
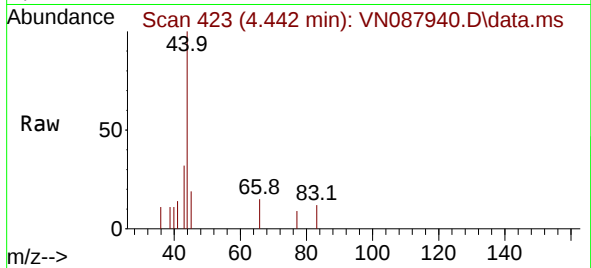




#16
Acetone
Concen: 1.161 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

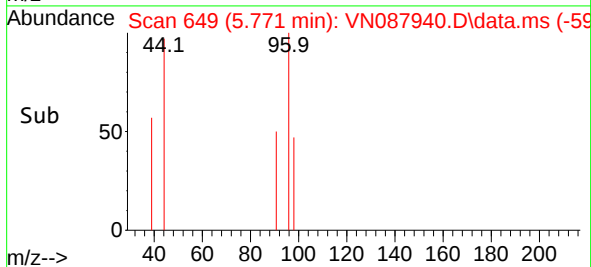
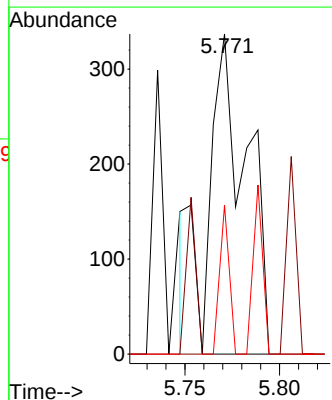
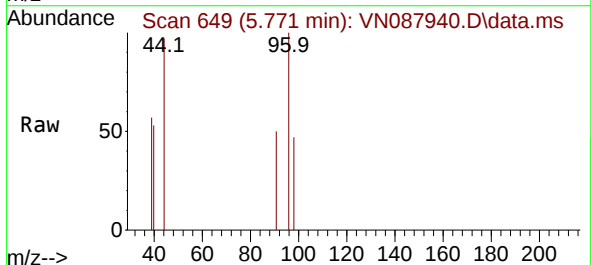
Instrument :
MSVOA_N
ClientSampleId :
TB

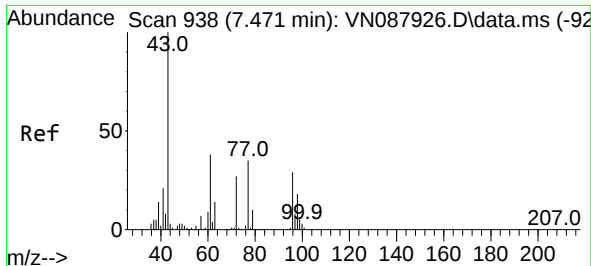
Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#



#21
trans-1,2-Dichloroethene
Concen: 0.200 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion: 96 Resp: 474
Ion Ratio Lower Upper
96 100
61 0.0 114.4 171.6#
98 46.6 53.6 80.4#

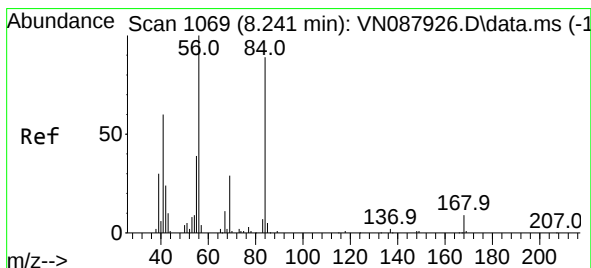
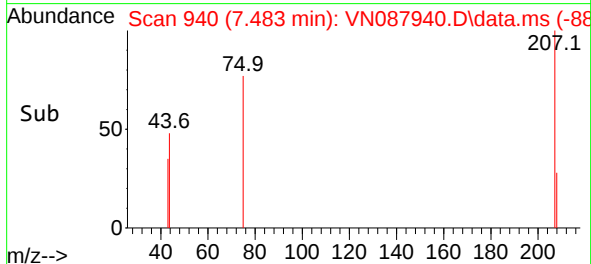
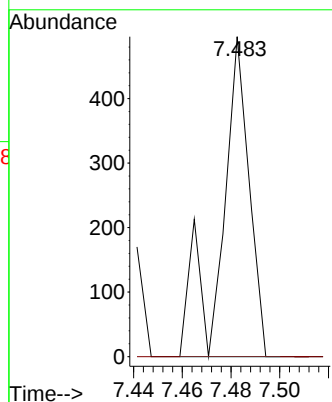
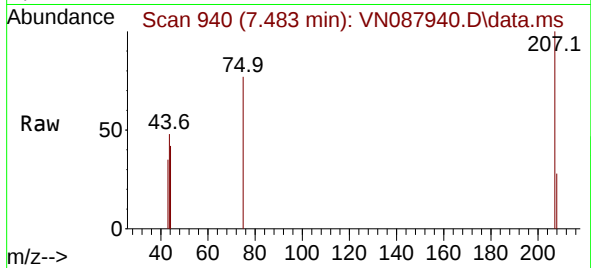




#25
2-Butanone
Concen: 0.204 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

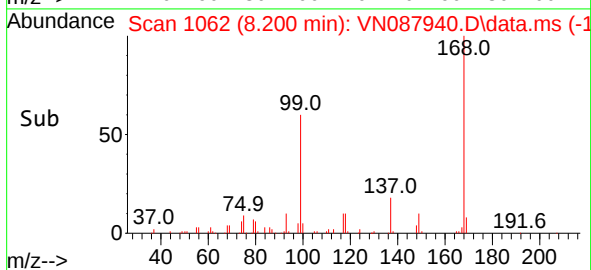
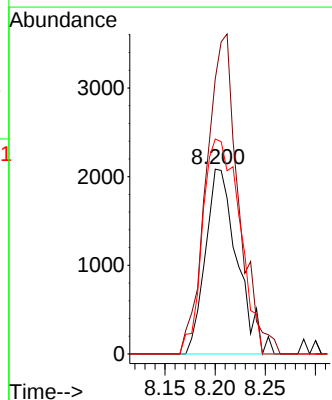
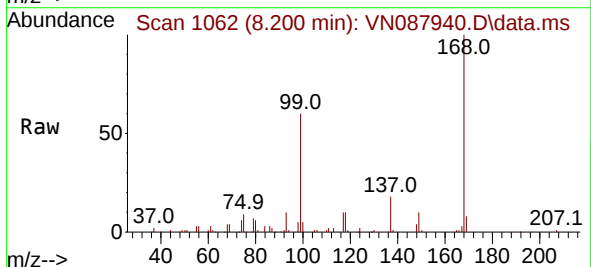
Instrument :
MSVOA_N
ClientSampleId :
TB

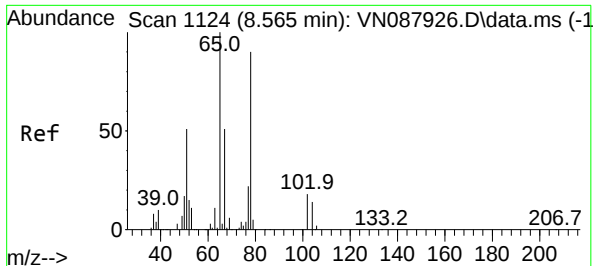
Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#31
Cyclohexane
Concen: 1.324 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.041 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion: 56 Resp: 4596
Ion Ratio Lower Upper
56 100
69 148.8 23.4 35.0#
84 116.3 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 55.029 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087940.D

Acq: 24 Sep 2025 11:46

Instrument :

MSVOA_N

ClientSampleId :

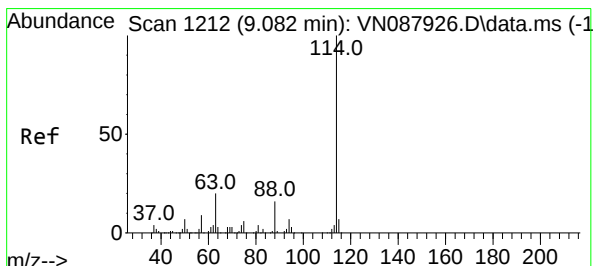
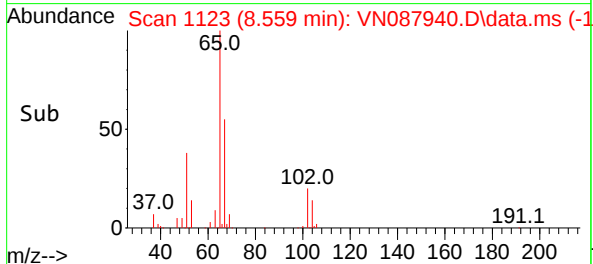
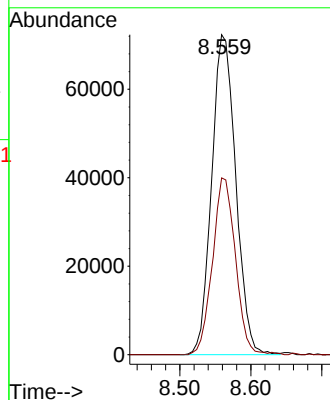
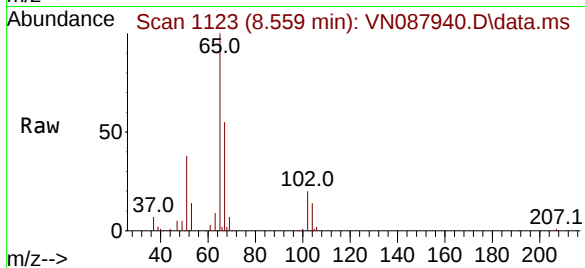
TB

Tgt Ion: 65 Resp: 170353

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087940.D

Acq: 24 Sep 2025 11:46

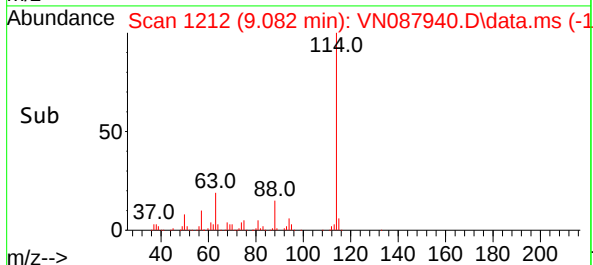
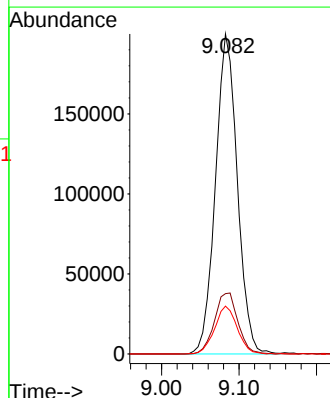
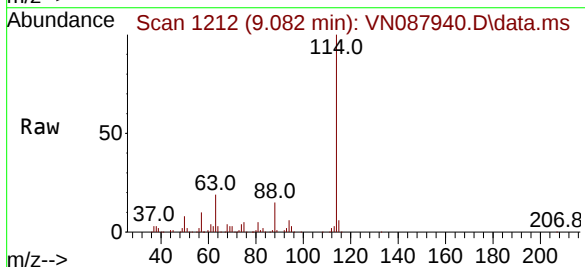
Tgt Ion:114 Resp: 392279

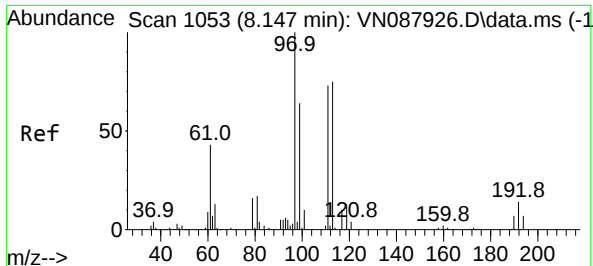
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.321 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087940.D

Acq: 24 Sep 2025 11:46

Instrument :

MSVOA_N

ClientSampleId :

TB

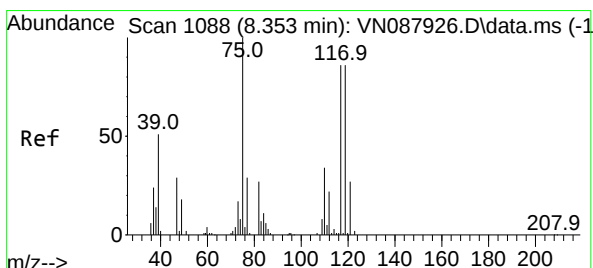
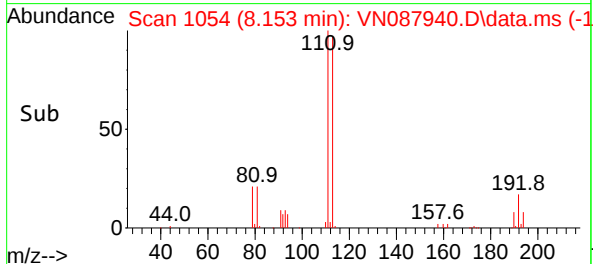
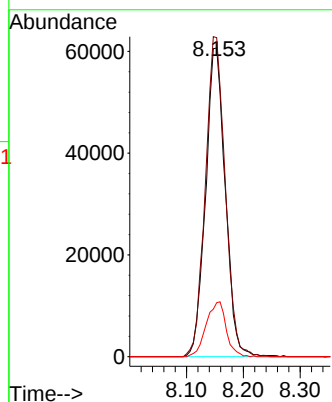
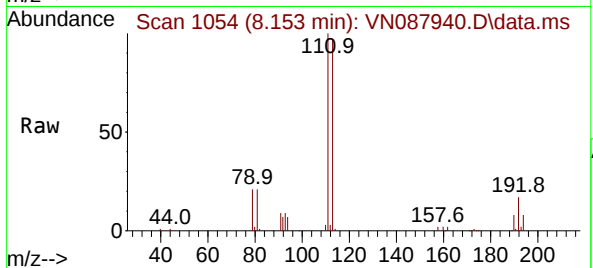
Tgt Ion:113 Resp: 146172

Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.2

192 18.0 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087940.D

Acq: 24 Sep 2025 11:46

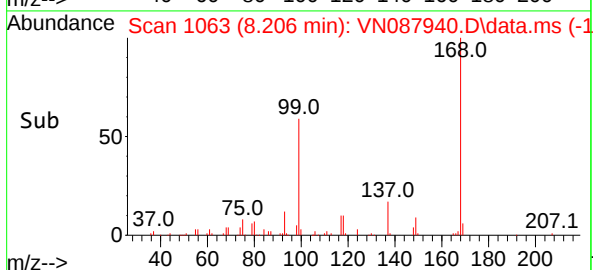
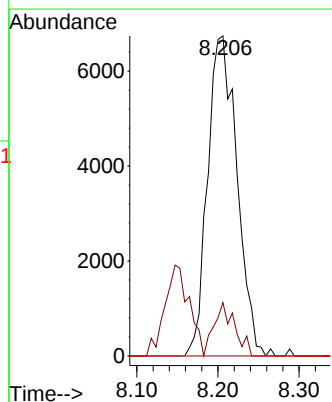
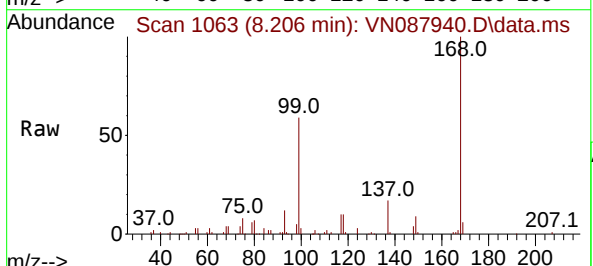
Tgt Ion: 75 Resp: 16952

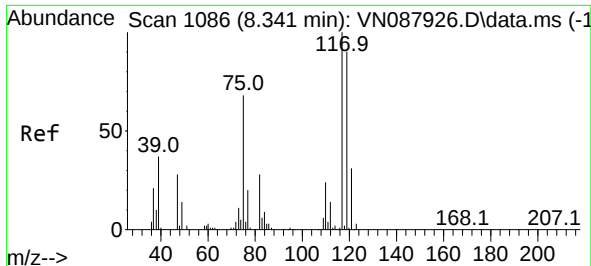
Ion Ratio Lower Upper

75 100

110 11.7 17.1 51.3#

77 0.0 24.8 37.2#

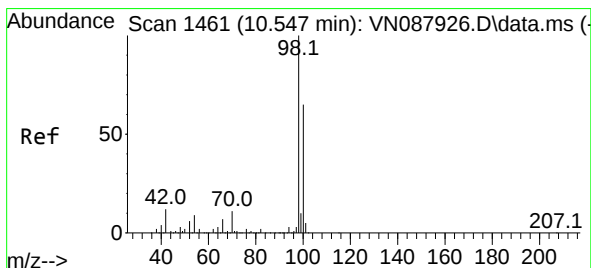
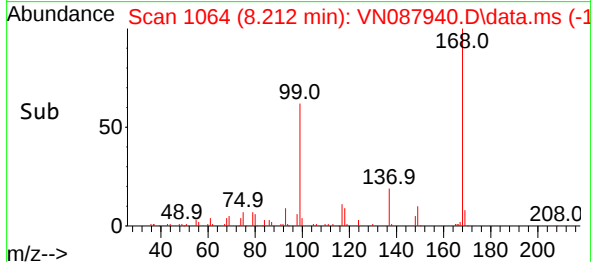
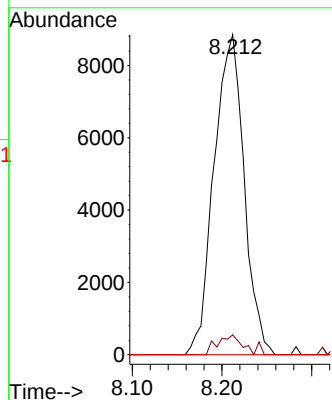
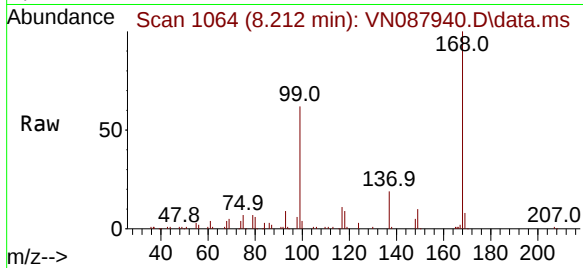




#38
Carbon Tetrachloride
Concen: 5.244 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

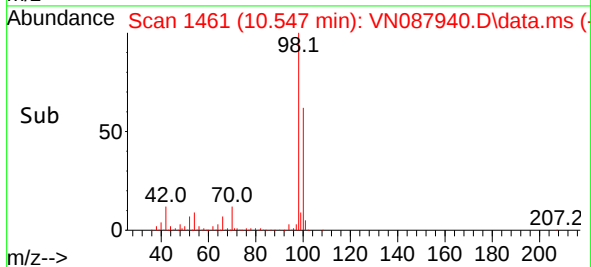
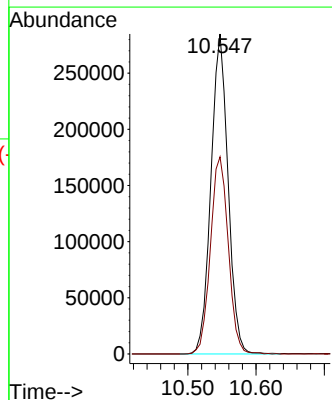
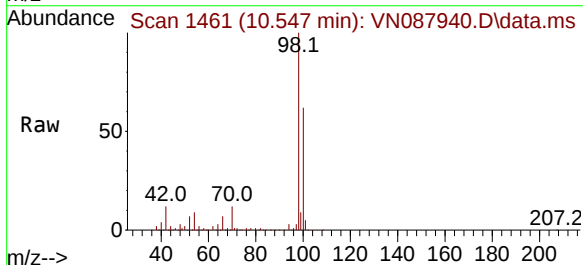
Instrument :
MSVOA_N
ClientSampleId :
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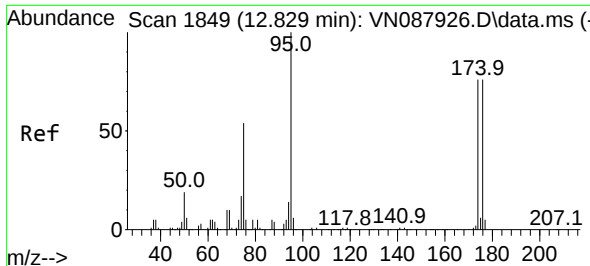
Tgt Ion:117 Resp: 20610
Ion Ratio Lower Upper
117 100
119 6.2 72.1 108.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 49.693 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion: 98 Resp: 497721
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

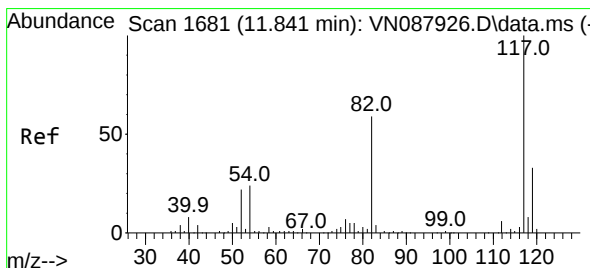
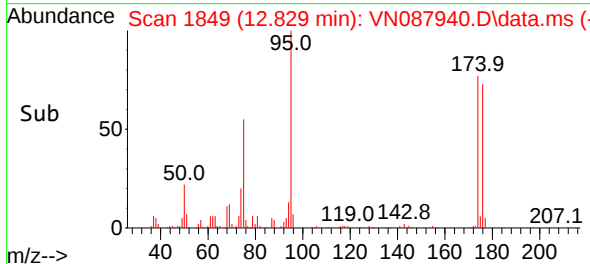
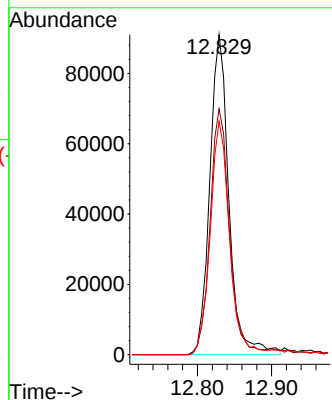
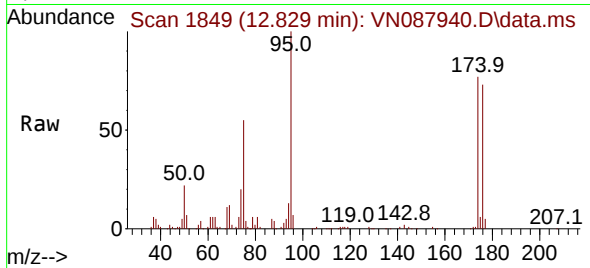




#62
4-Bromofluorobenzene
Concen: 45.469 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

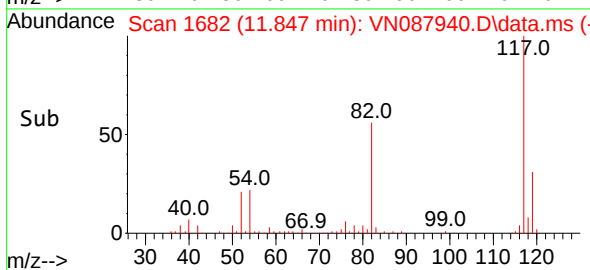
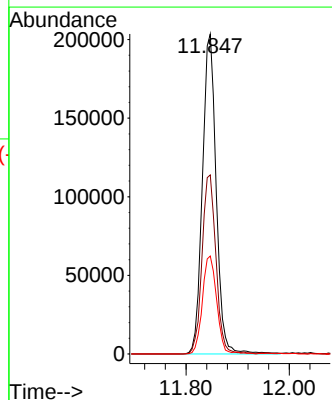
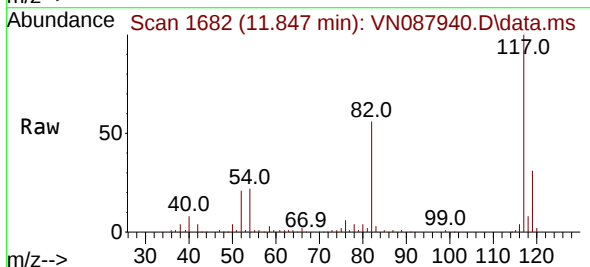
Instrument :
MSVOA_N
ClientSampleId :
TB

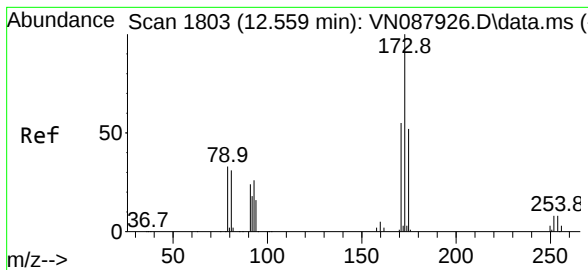
Tgt Ion: 95 Resp: 162785
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.2
176 73.3 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087940.D
Acq: 24 Sep 2025 11:46

Tgt Ion: 117 Resp: 376769
Ion Ratio Lower Upper
117 100
82 56.0 47.0 70.4
119 30.6 26.1 39.1





#71

Bromoform

Concen: 0.683 ug/l

RT: 12.823 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN087940.D

Acq: 24 Sep 2025 11:46

Instrument :

MSVOA_N

ClientSampleId :

TB

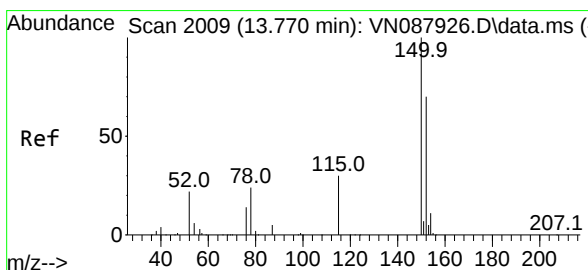
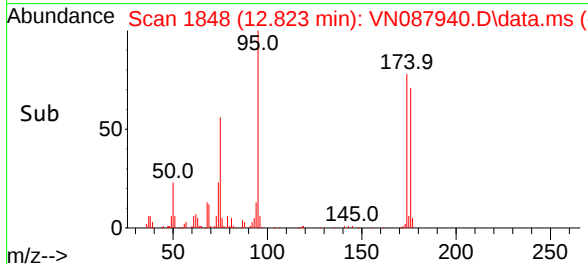
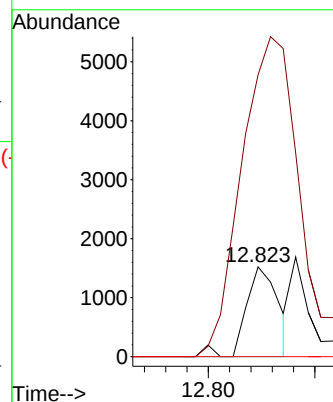
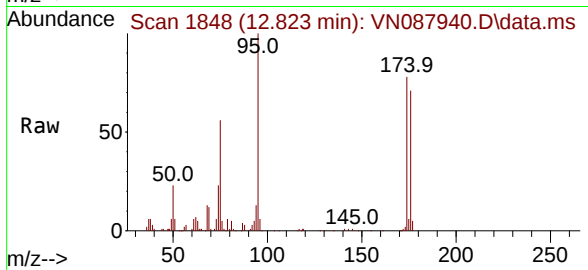
Tgt Ion:173 Resp: 1602

Ion Ratio Lower Upper

173 100

175 491.4 23.7 71.1#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VN087940.D

Acq: 24 Sep 2025 11:46

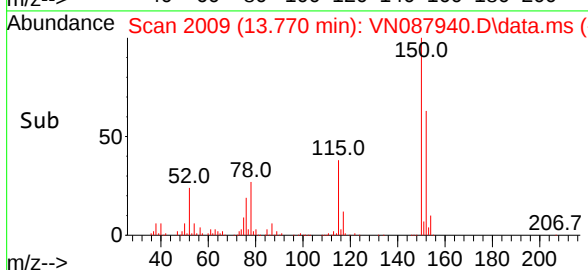
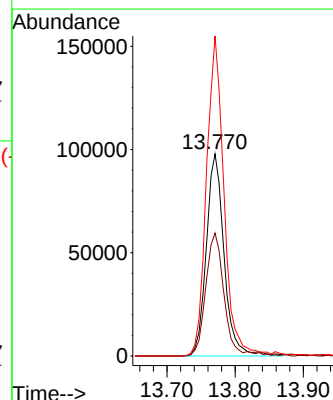
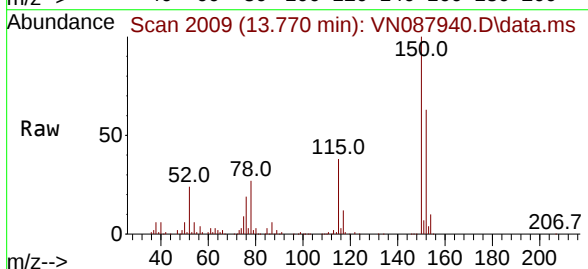
Tgt Ion:152 Resp: 178103

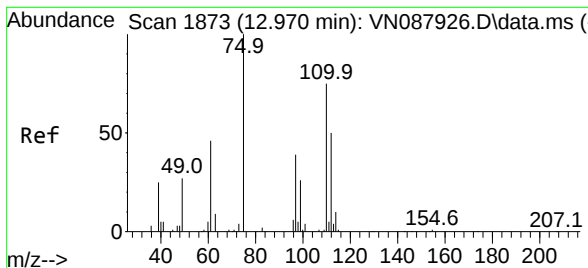
Ion Ratio Lower Upper

152 100

115 62.4 29.9 89.7

150 155.0 0.0 335.0





#76

1,2,3-Trichloropropane

Concen: 26.125 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087940.D

Acq: 24 Sep 2025 11:46

Instrument :

MSVOA_N

ClientSampleId :

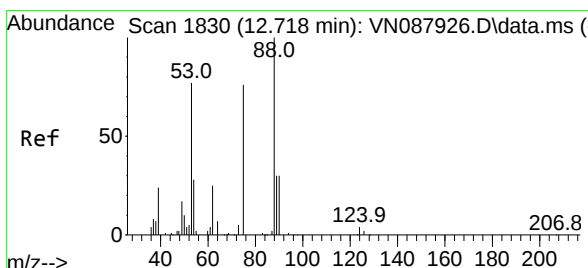
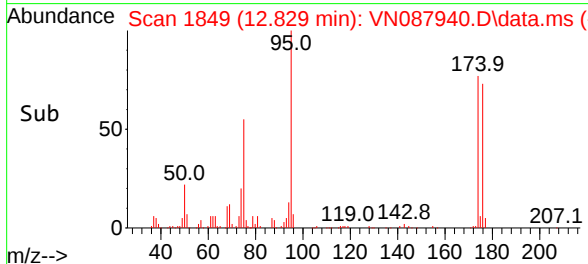
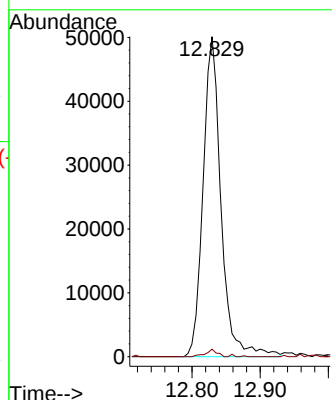
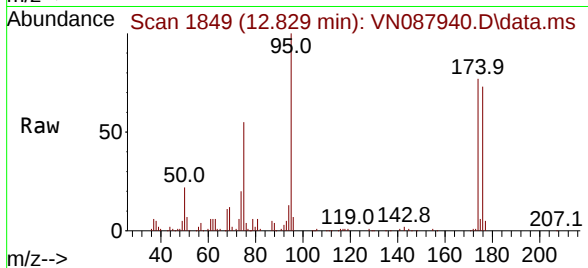
TB

Tgt Ion: 75 Resp: 91719

Ion Ratio Lower Upper

75 100

77 1.5 89.5 268.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.544 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087940.D

Acq: 24 Sep 2025 11:46

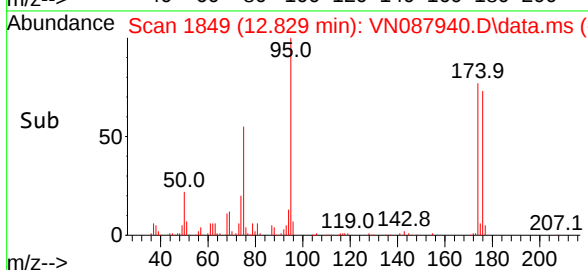
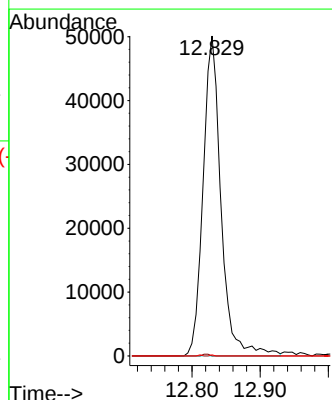
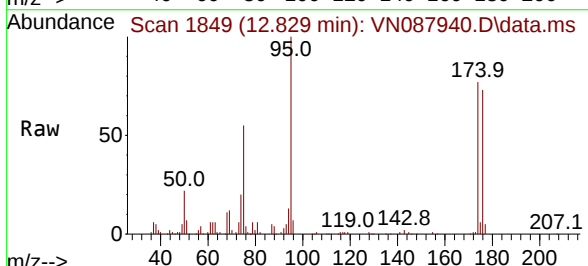
Tgt Ion: 75 Resp: 91719

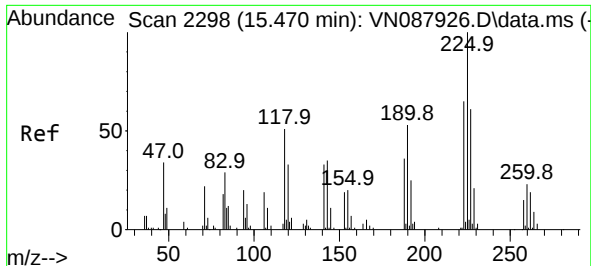
Ion Ratio Lower Upper

75 100

53 0.0 82.0 123.0#

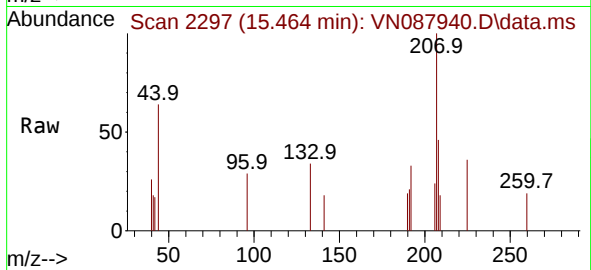
89 0.1 36.1 54.1#





#94
 Hexachlorobutadiene
 Concen: 0.266 ug/l
 RT: 15.464 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087940.D
 Acq: 24 Sep 2025 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 TB



Tgt Ion:225 Resp: 319
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.8 95.4
 227 22.3 31.9 95.9#

