

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087954.D
 Acq On : 25 Sep 2025 15:03
 Operator : JC\MD
 Sample : Q3177-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 07:32:09 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)

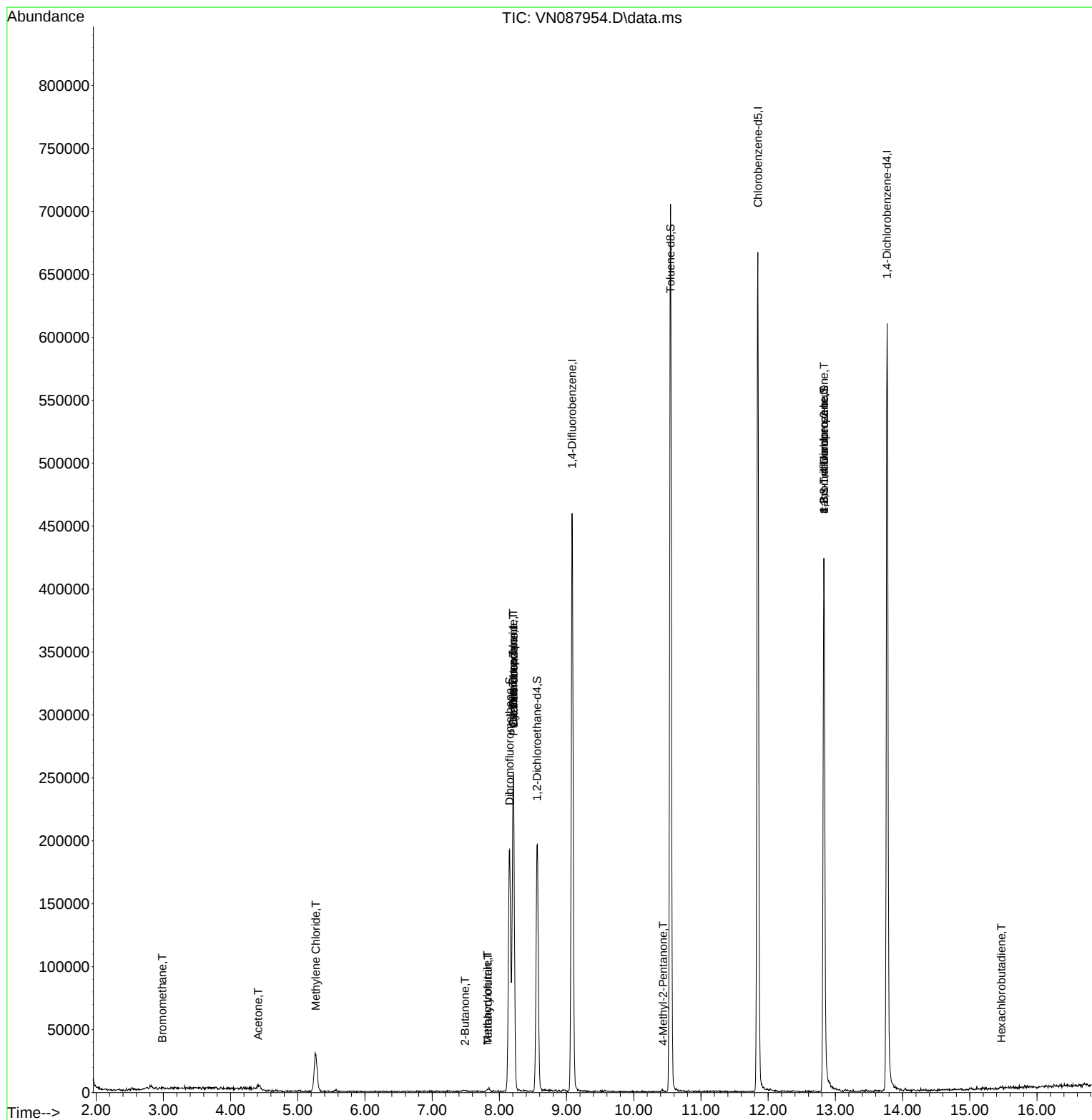
Internal Standards						
1) Pentafluorobenzene	8.212	168	177781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	381295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	377486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	173273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	165791	55.413	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.820%	
35) Dibromofluoromethane	8.153	113	141959	51.278	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	10.547	98	466810	47.950	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.900%	
62) 4-Bromofluorobenzene	12.829	95	156245	44.899	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.800%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	304	0.228	ug/l #	2
16) Acetone	4.412	43	5070	4.119	ug/l	90
20) Methylene Chloride	5.271	84	23169	9.298	ug/l #	93
25) 2-Butanone	7.488	43	1359	0.722	ug/l	98
29) Tetrahydrofuran	7.830	42	996	0.827	ug/l #	59
31) Cyclohexane	8.206	56	4604	1.372	ug/l #	4
36) 1,1-Dichloropropene	8.206	75	16610	4.990	ug/l #	50
38) Carbon Tetrachloride	8.206	117	19499	5.105	ug/l #	16
41) Methacrylonitrile	7.824	41	516	0.228	ug/l #	23
51) 4-Methyl-2-Pentanone	10.435	43	964	0.225	ug/l #	60
76) 1,2,3-Trichloropropane	12.829	75	83149	24.344	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	83149	67.599	ug/l #	9
94) Hexachlorobutadiene	15.470	225	257	0.220	ug/l #	56

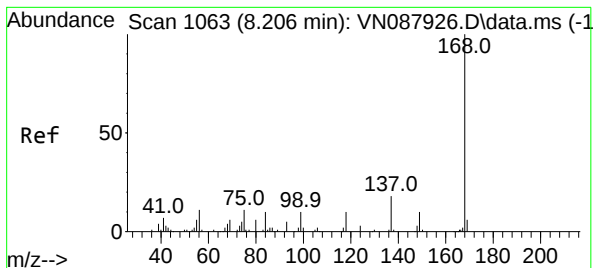
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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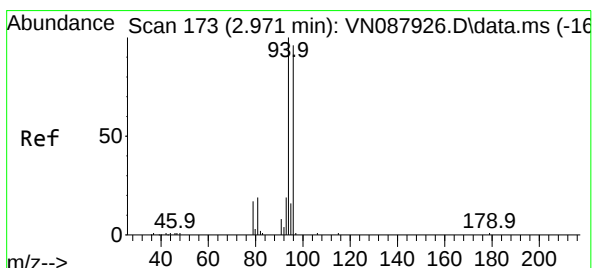
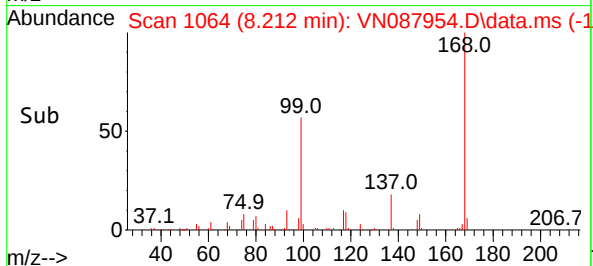
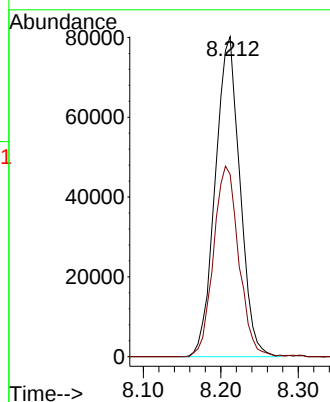
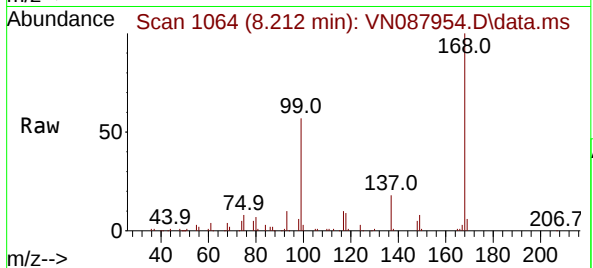




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

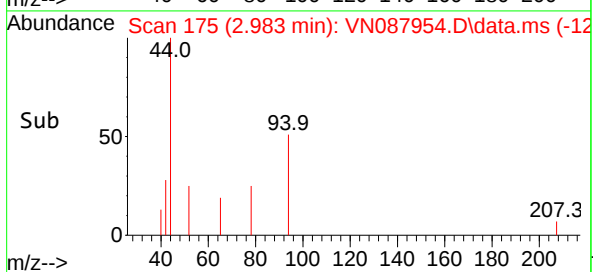
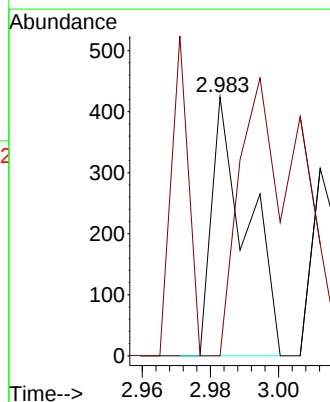
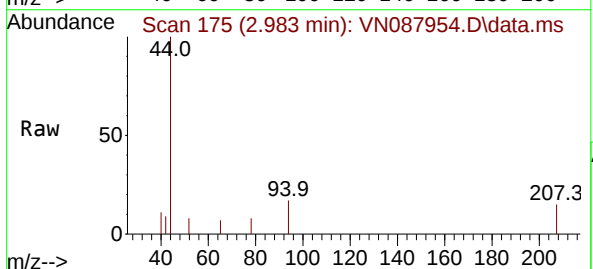
Instrument :
MSVOA_N
ClientSampleId :

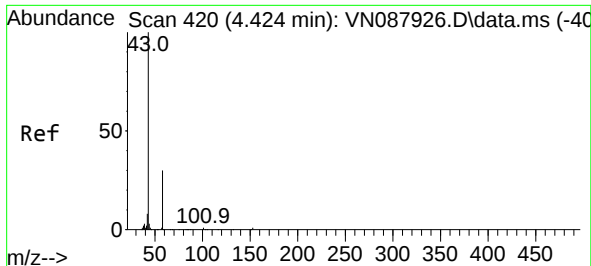
Tgt Ion:168 Resp: 177781
Ion Ratio Lower Upper
168 100
99 57.0 52.2 78.2



#5
Bromomethane
Concen: 0.228 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.012 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

Tgt Ion: 94 Resp: 304
Ion Ratio Lower Upper
94 100
96 0.0 76.8 115.2#

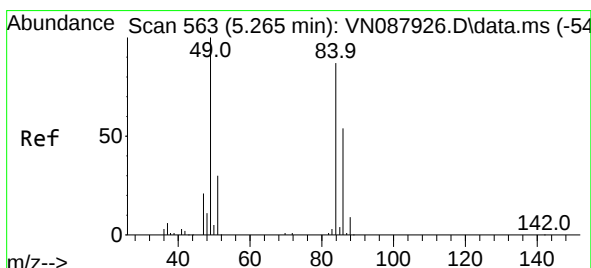
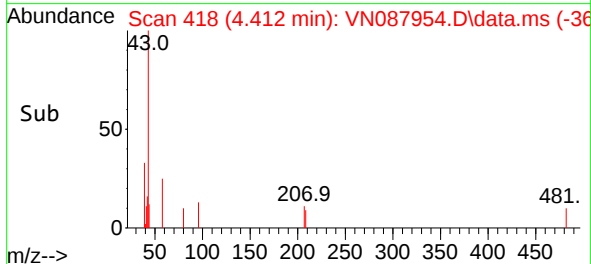
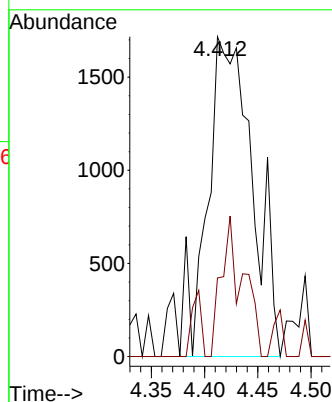
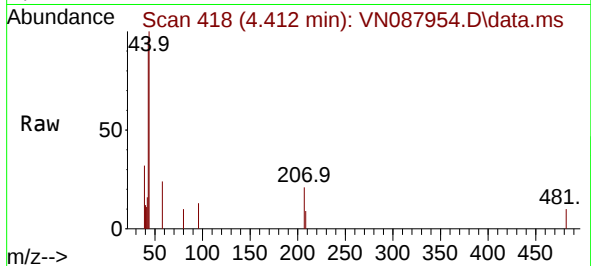




#16
Acetone
Concen: 4.119 ug/l
RT: 4.412 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

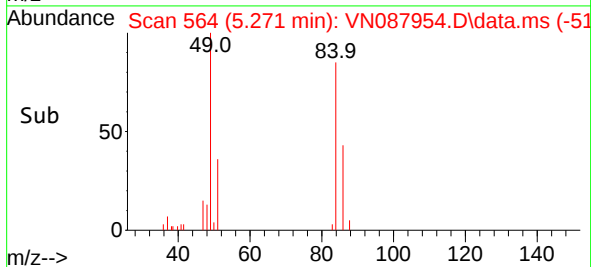
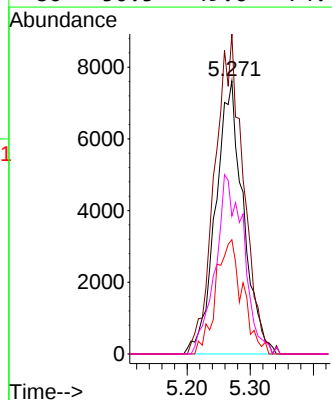
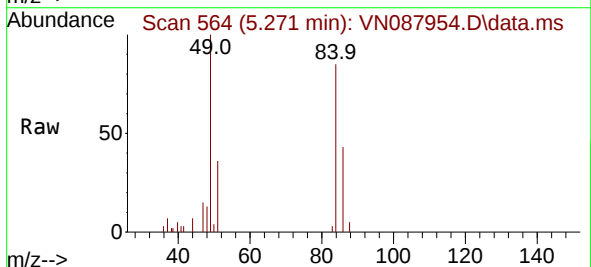
Instrument :
MSVOA_N
ClientSampleId :

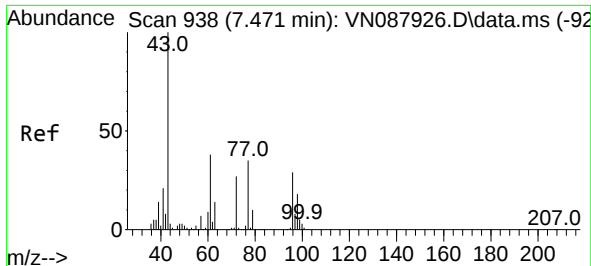
Tgt Ion: 43 Resp: 5070
Ion Ratio Lower Upper
43 100
58 24.6 24.1 36.1



#20
Methylene Chloride
Concen: 9.298 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

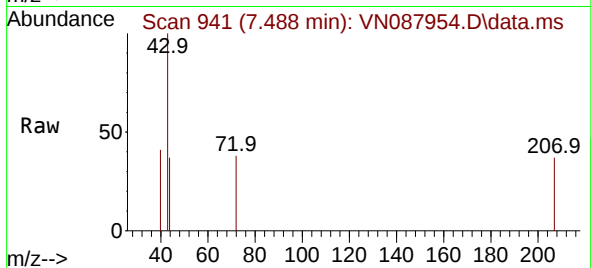
Tgt Ion: 84 Resp: 23169
Ion Ratio Lower Upper
84 100
49 117.1 92.1 138.1
51 41.8 27.7 41.5#
86 50.5 49.6 74.4



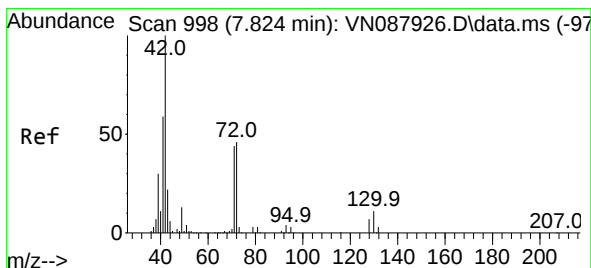
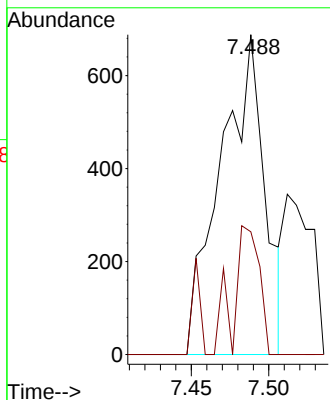
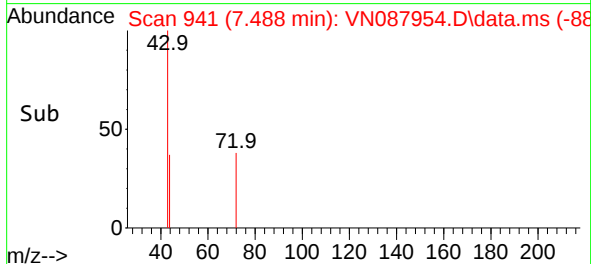


#25
2-Butanone
Concen: 0.722 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

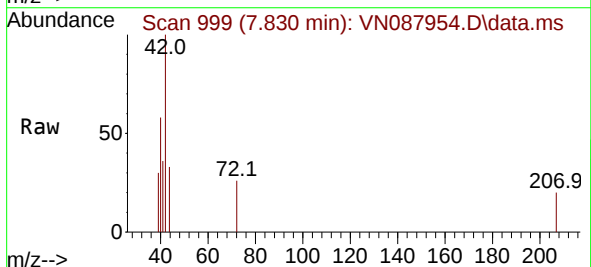
Instrument :
MSVOA_N
ClientSampleId :



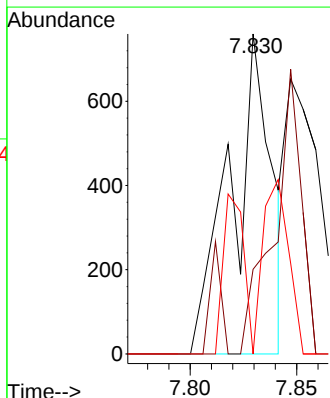
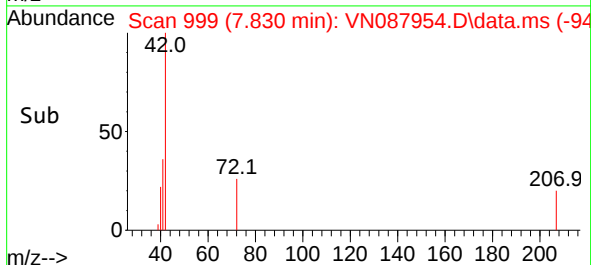
Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
72 27.9 21.5 32.3

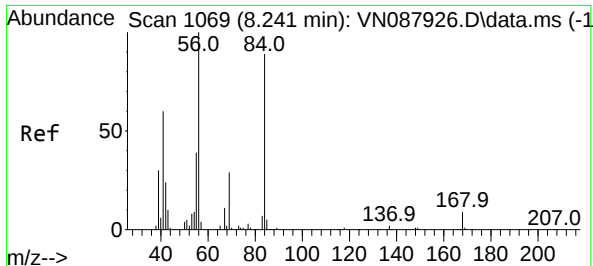


#29
Tetrahydrofuran
Concen: 0.827 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03



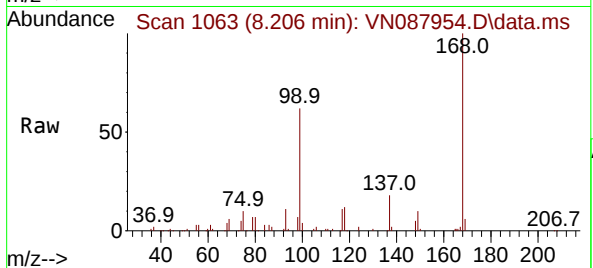
Tgt Ion: 42 Resp: 996
Ion Ratio Lower Upper
42 100
72 9.4 36.5 54.7#
71 25.4 33.8 50.8#



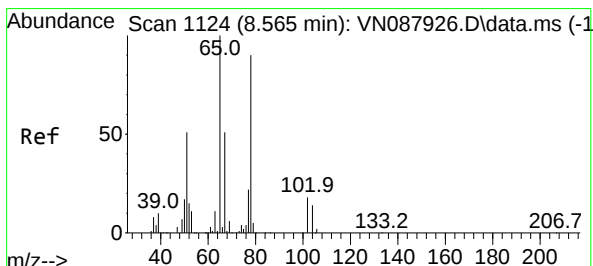
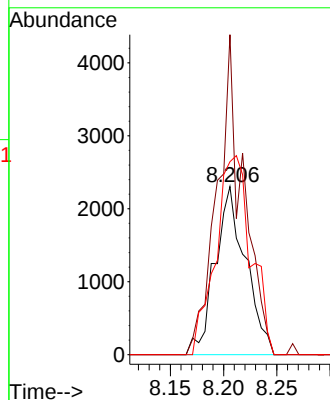
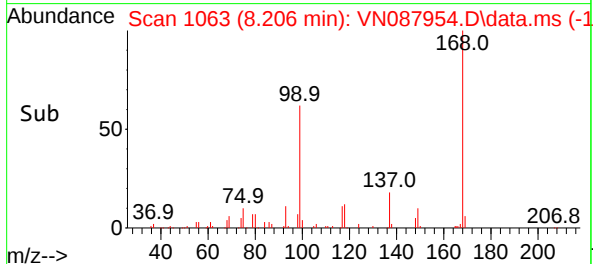


#31
Cyclohexane
Concen: 1.372 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :

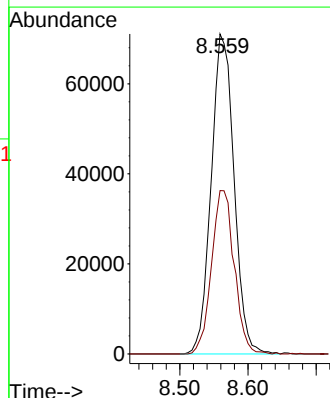
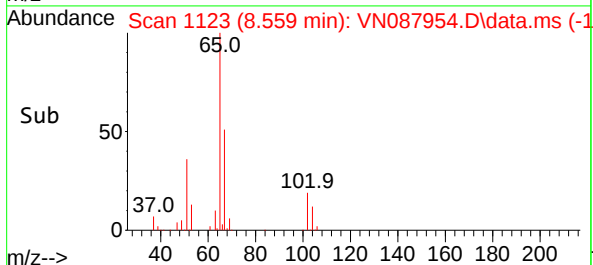
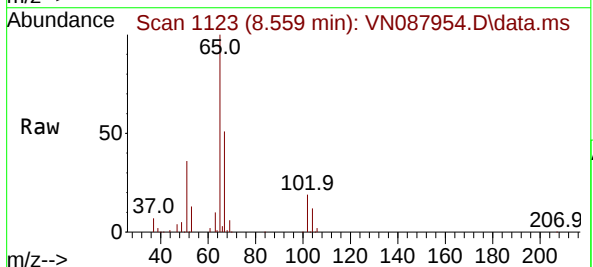


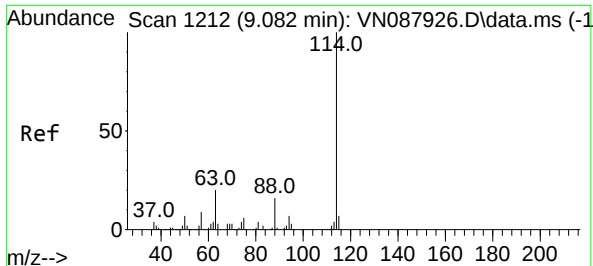
Tgt Ion: 56 Resp: 4604
Ion Ratio Lower Upper
56 100
69 190.3 23.4 35.0#
84 114.8 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 55.413 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

Tgt Ion: 65 Resp: 165791
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087954.D

Acq: 25 Sep 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

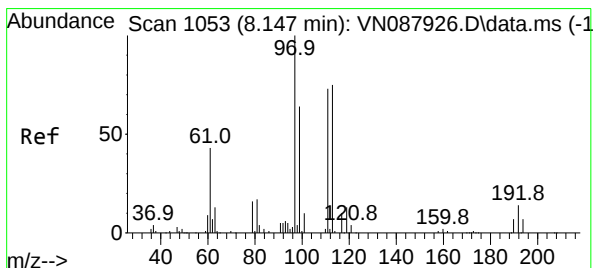
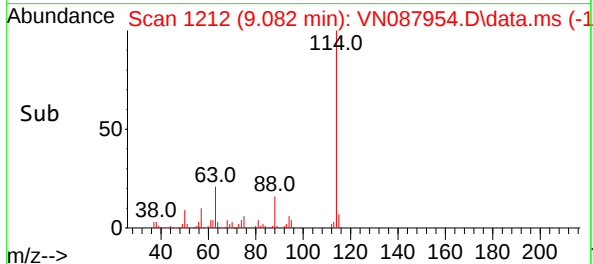
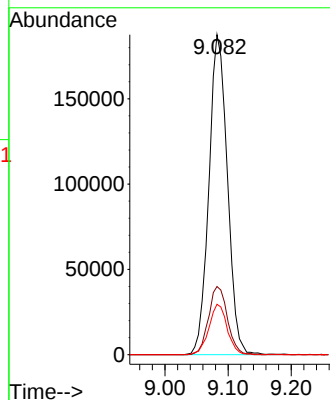
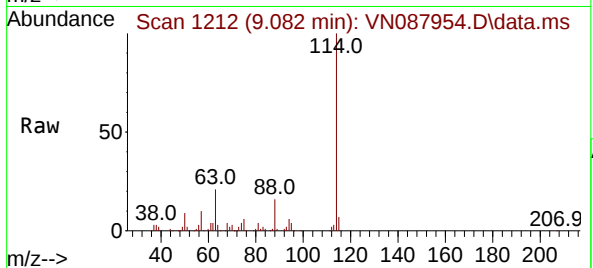
Tgt Ion:114 Resp: 381295

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.278 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087954.D

Acq: 25 Sep 2025 15:03

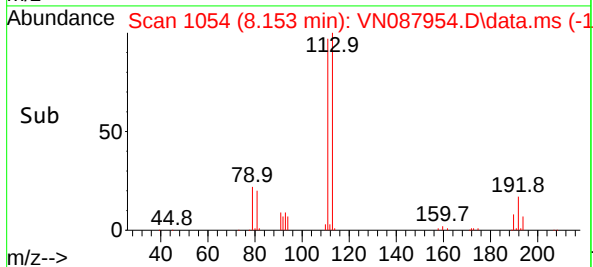
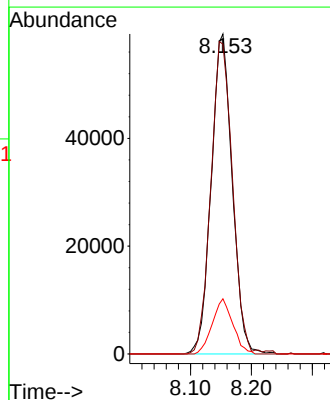
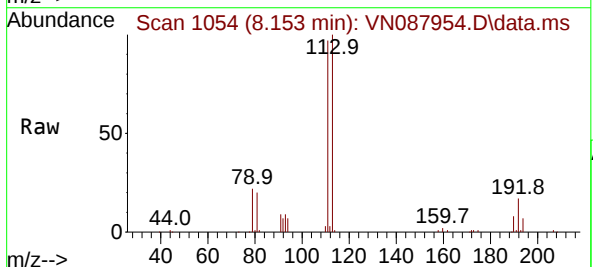
Tgt Ion:113 Resp: 141959

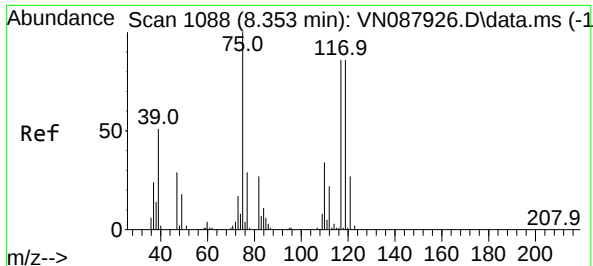
Ion Ratio Lower Upper

113 100

111 100.2 82.2 123.2

192 16.9 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.990 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

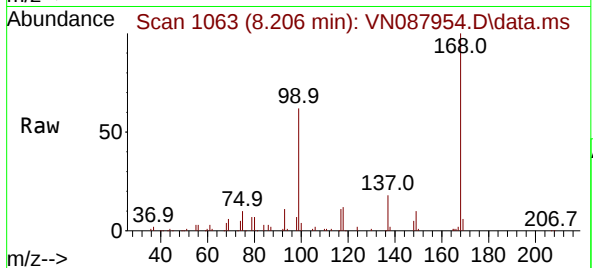
Lab File: VN087954.D

Acq: 25 Sep 2025 15:03

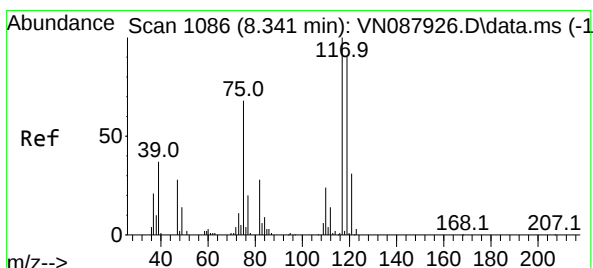
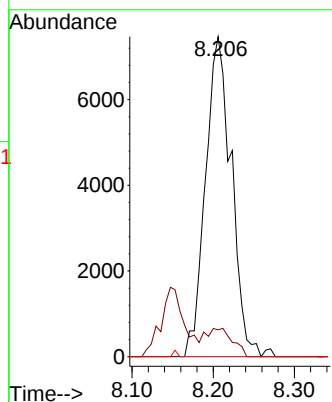
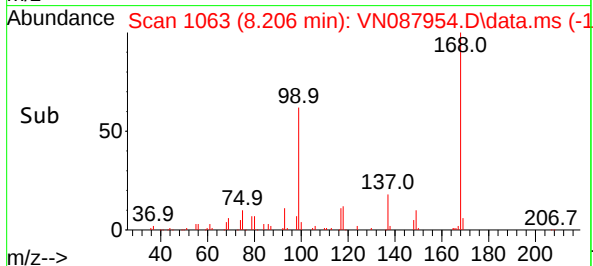
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	16610
Ion Ratio	Lower	Upper	
75	100		
110	9.3	17.1	51.3#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 5.105 ug/l

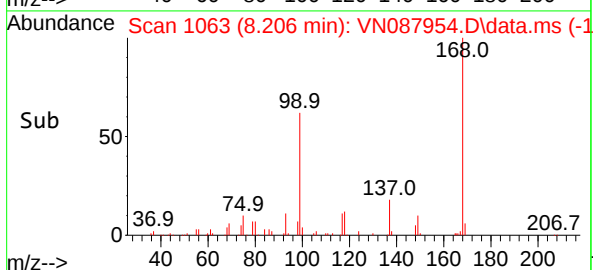
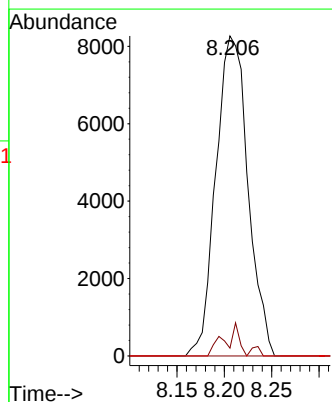
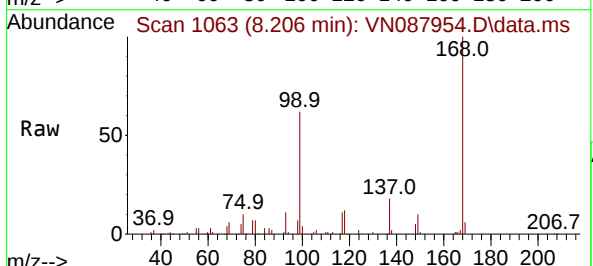
RT: 8.206 min Scan# 1063

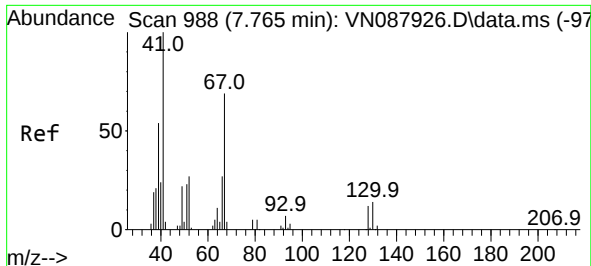
Delta R.T. -0.135 min

Lab File: VN087954.D

Acq: 25 Sep 2025 15:03

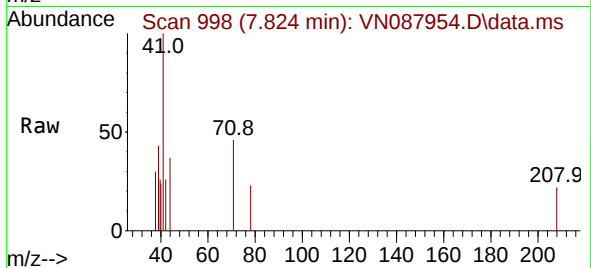
Tgt Ion:	117	Resp:	19499
Ion Ratio	Lower	Upper	
117	100		
119	2.5	72.1	108.1#
121	0.0	24.6	36.8#



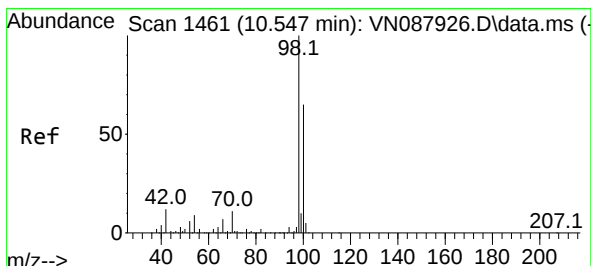
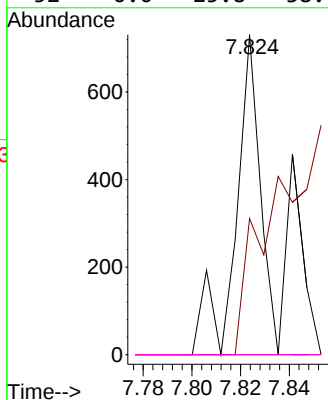
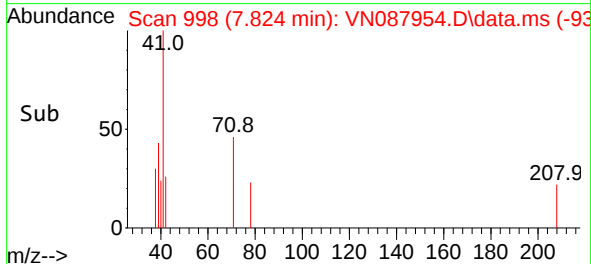


#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :

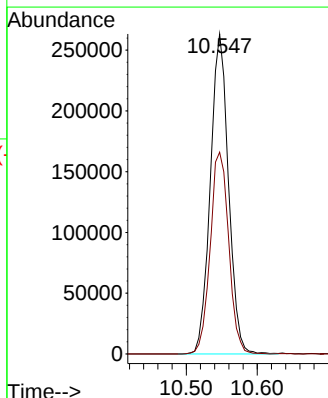
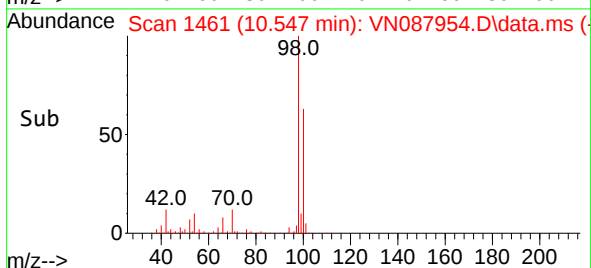
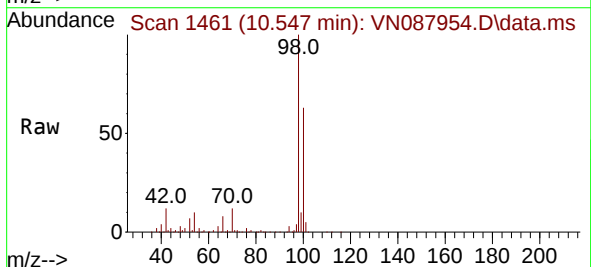


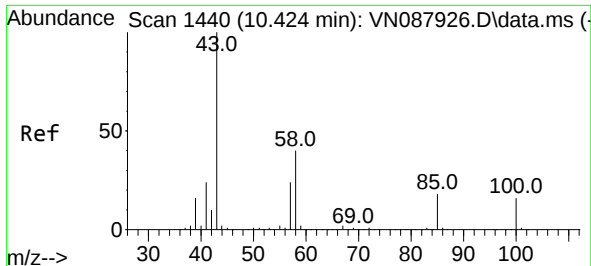
Tgt Ion: 41 Resp: 516
Ion Ratio Lower Upper
41 100
39 0.0 43.5 65.3#
67 0.0 57.6 86.4#
52 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.950 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

Tgt Ion: 98 Resp: 466810
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

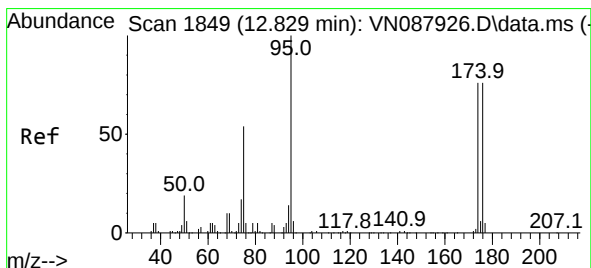
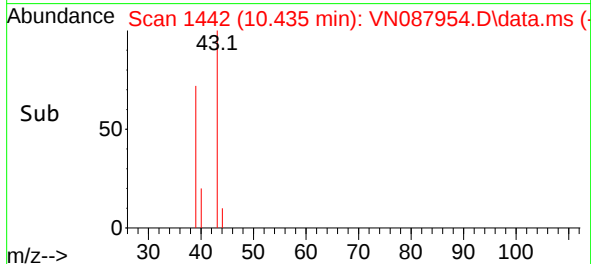
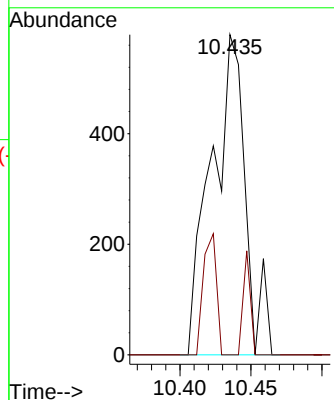
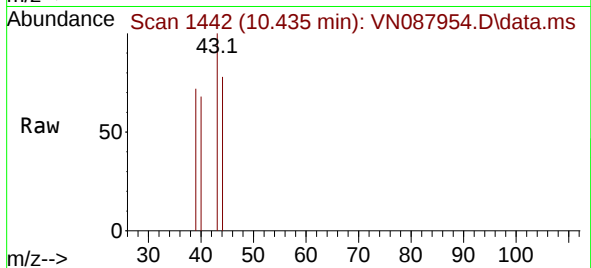




#51
4-Methyl-2-Pentanone
Concen: 0.225 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.012 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

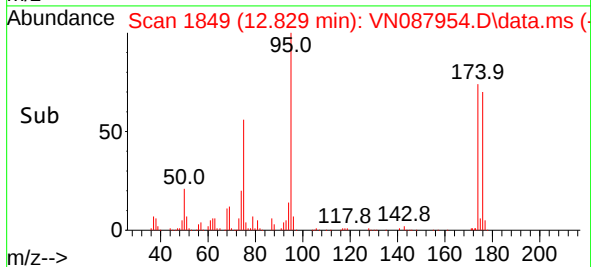
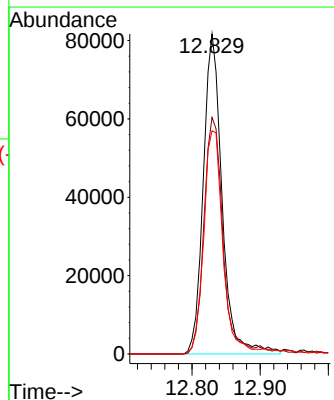
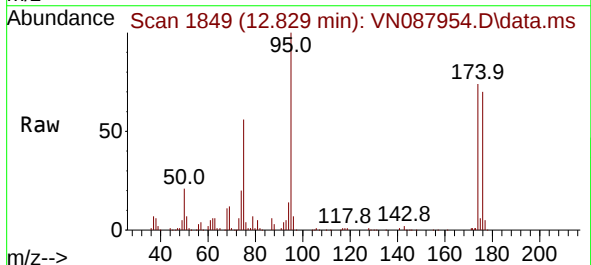
Instrument :
MSVOA_N
ClientSampleId :

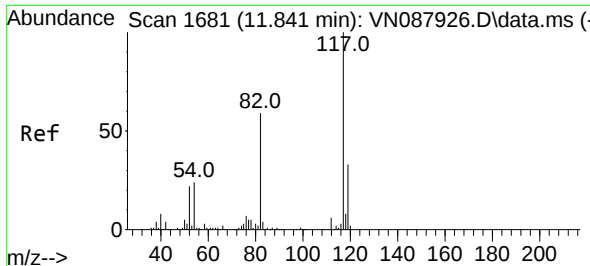
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 14.6 31.0 46.6#



#62
4-Bromofluorobenzene
Concen: 44.899 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

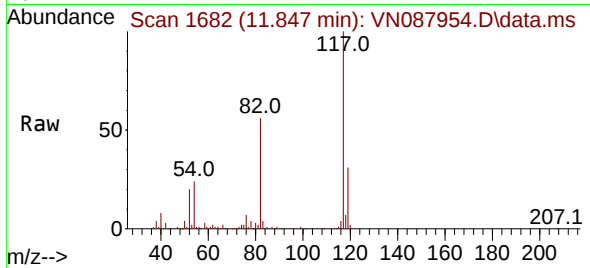
Tgt Ion: 95 Resp: 156245
Ion Ratio Lower Upper
95 100
174 74.0 0.0 159.2
176 72.1 0.0 152.6



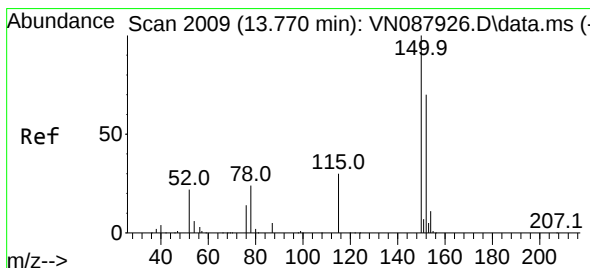
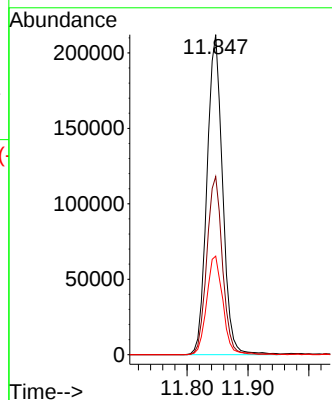
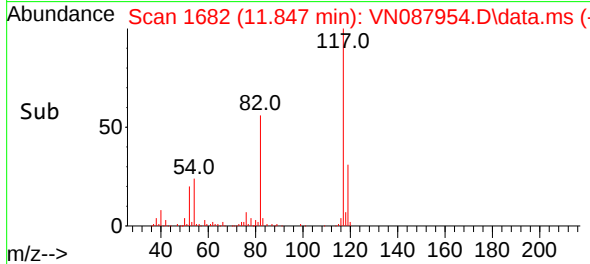


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03

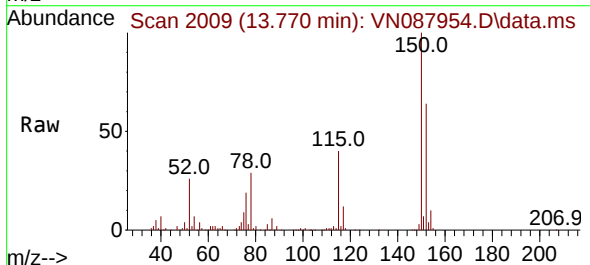
Instrument :
MSVOA_N
ClientSampleId :



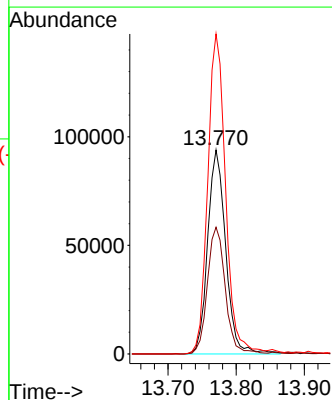
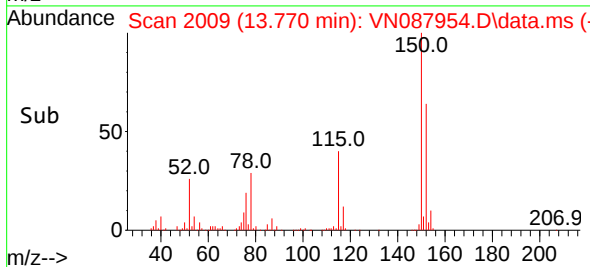
Tgt Ion:117 Resp: 377486
Ion Ratio Lower Upper
117 100
82 55.7 47.0 70.4
119 30.8 26.1 39.1

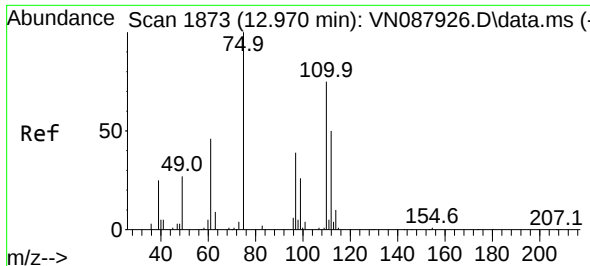


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087954.D
Acq: 25 Sep 2025 15:03



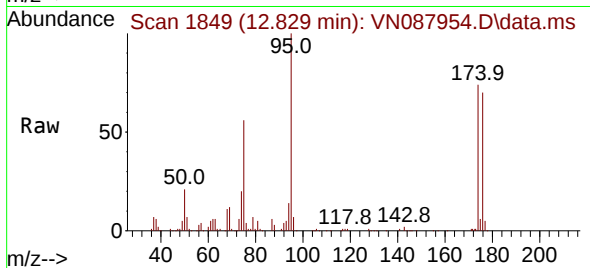
Tgt Ion:152 Resp: 173273
Ion Ratio Lower Upper
152 100
115 61.7 29.9 89.7
150 154.5 0.0 335.0



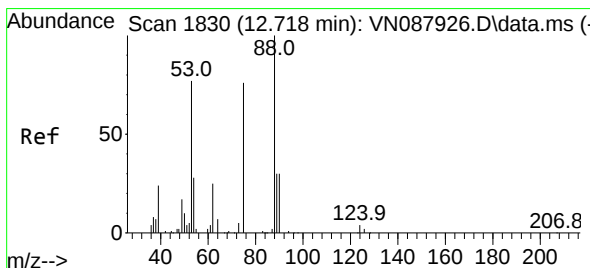
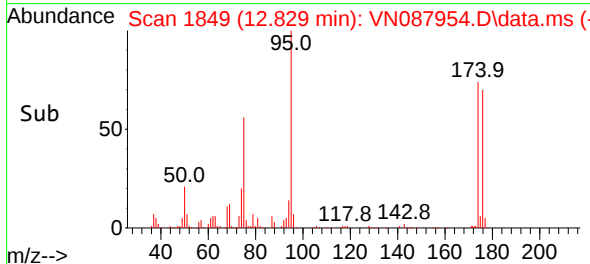
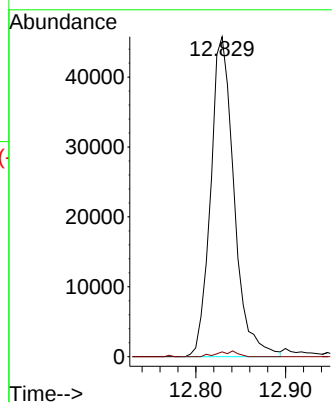


#76
 1,2,3-Trichloropropane
 Concen: 24.344 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087954.D
 Acq: 25 Sep 2025 15:03

Instrument :
 MSVOA_N
 ClientSampleId :

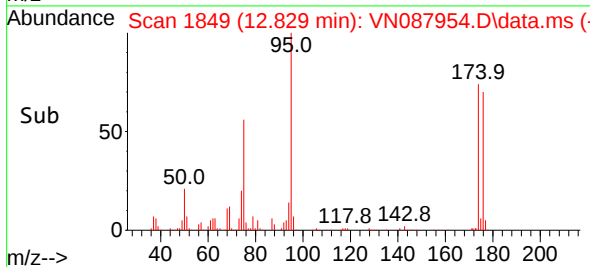
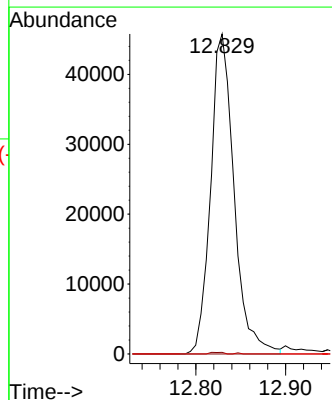
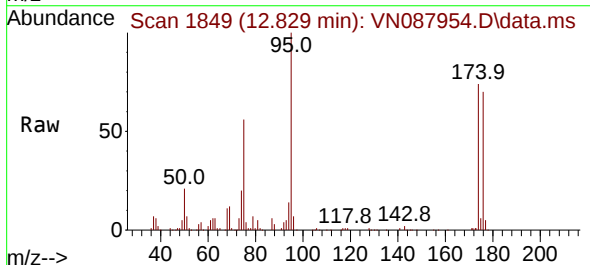


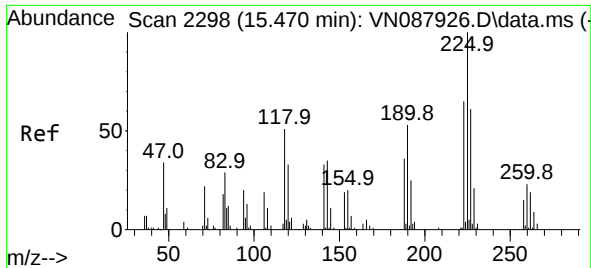
Tgt Ion: 75 Resp: 83149
 Ion Ratio Lower Upper
 75 100
 77 1.5 89.5 268.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.599 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087954.D
 Acq: 25 Sep 2025 15:03

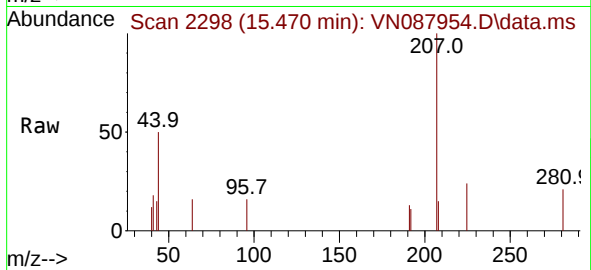
Tgt Ion: 75 Resp: 83149
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.0 123.0#
 89 0.0 36.1 54.1#





#94
 Hexachlorobutadiene
 Concen: 0.220 ug/l
 RT: 15.470 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN087954.D
 Acq: 25 Sep 2025 15:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	257
Ion	Ratio	Lower	Upper
225	100		
223	33.9	31.8	95.4
227	24.5	31.9	95.9#

