

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087739.D
 Acq On : 05 Sep 2025 14:00
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 01:05:51 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	146172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	341529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	325501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	153480	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	162942	54.407	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.820%
35) Dibromofluoromethane	8.153	113	127398	51.665	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.340%
50) Toluene-d8	10.547	98	446187	48.345	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.700%
62) 4-Bromofluorobenzene	12.829	95	153361	46.725	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.460%

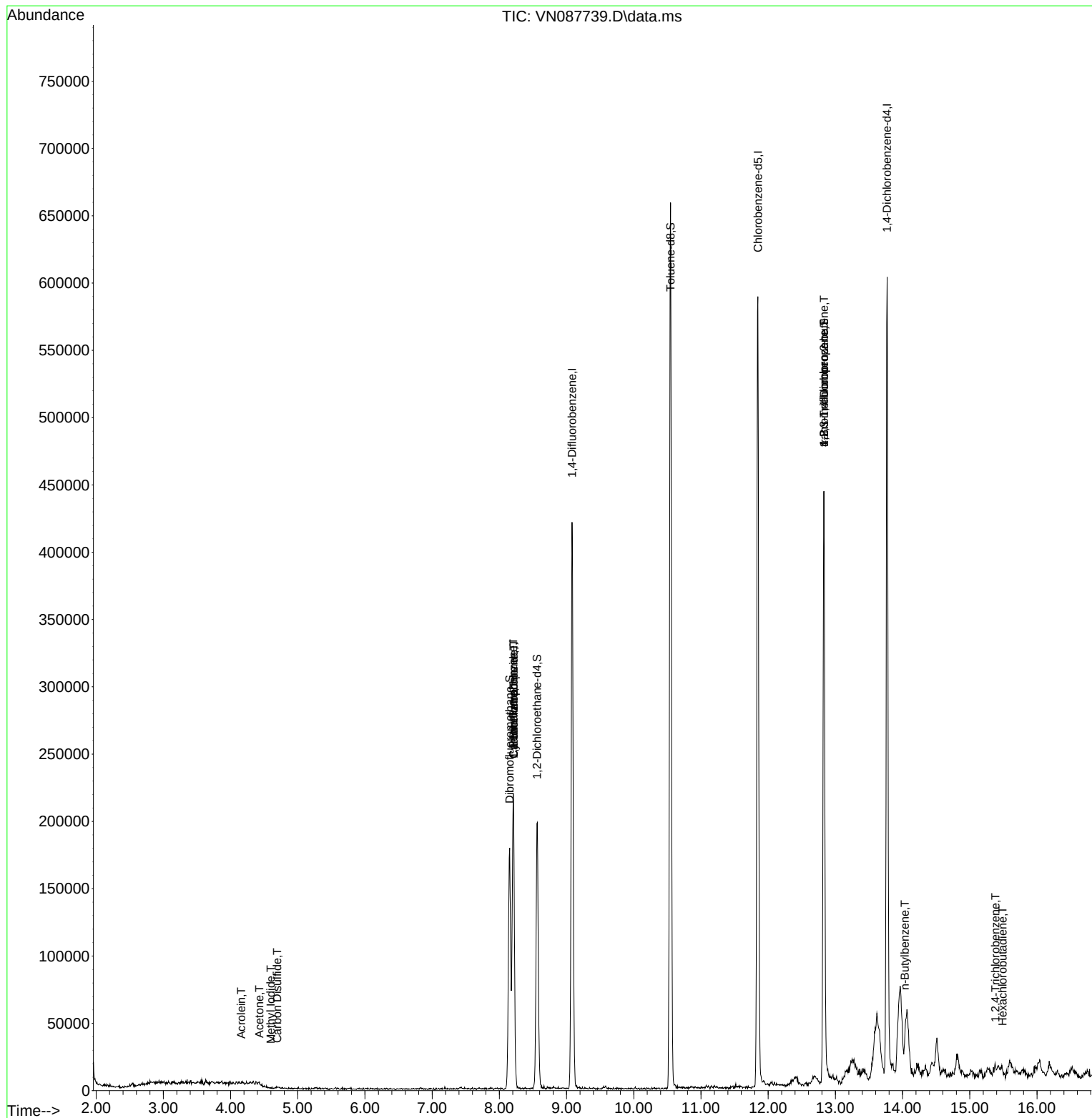
Target Compounds					Qvalue	
10) Methyl Iodide	4.600	142	74	6.852	ug/l #	38
13) Acrolein	4.159	56	325	0.508	ug/l #	65
16) Acetone	4.430	43	1126	0.691	ug/l #	47
17) Carbon Disulfide	4.695	76	1706	0.294	ug/l #	74
20) Methylene Chloride	5.253	84	312	Below Cal	#	35
31) Cyclohexane	8.212	56	5533	1.469	ug/l #	57
36) 1,1-Dichloropropene	8.212	75	14113	3.731	ug/l #	54
38) Carbon Tetrachloride	8.212	117	16539	4.428	ug/l #	16
76) 1,2,3-Trichloropropane	12.829	75	90035	25.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	90035	66.225	ug/l #	1
89) n-Butylbenzene	14.035	91	3657	0.343	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.382	180	689	0.210	ug/l	88
94) Hexachlorobutadiene	15.488	225	268	0.229	ug/l #	7

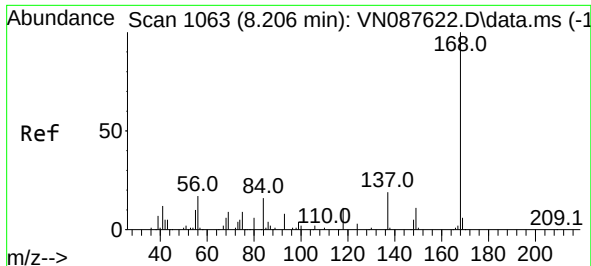
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Sep 06 01:05:51 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

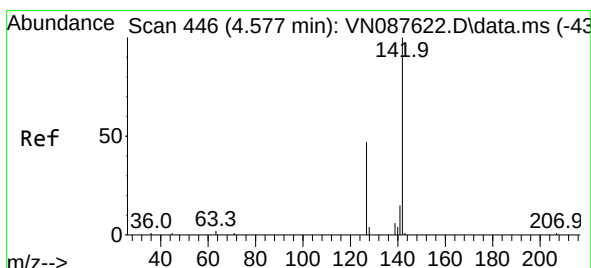
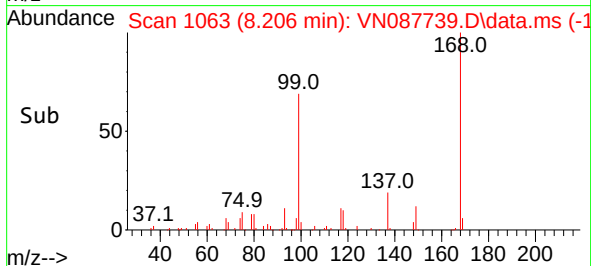
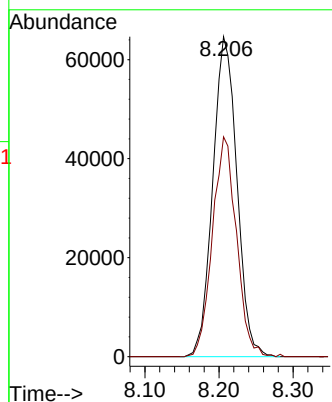
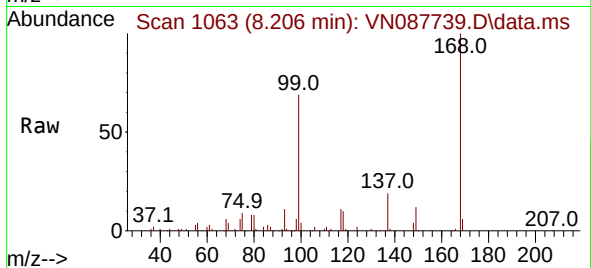




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

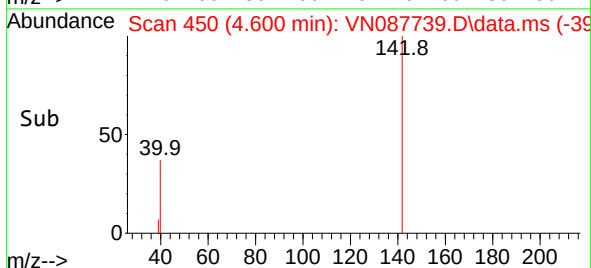
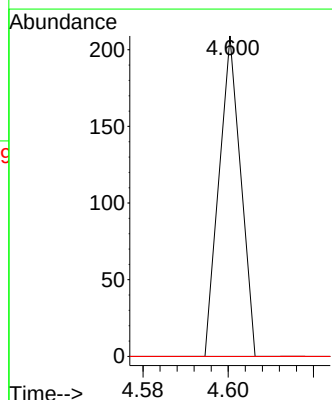
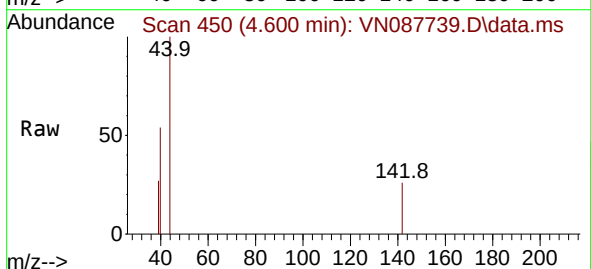
Instrument :
MSVOA_N
ClientSampleId :

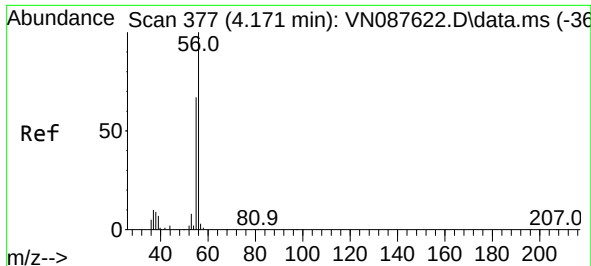
Tgt Ion:168 Resp: 146172
Ion Ratio Lower Upper
168 100
99 68.7 57.2 85.8



#10
Methyl Iodide
Concen: 6.852 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.023 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

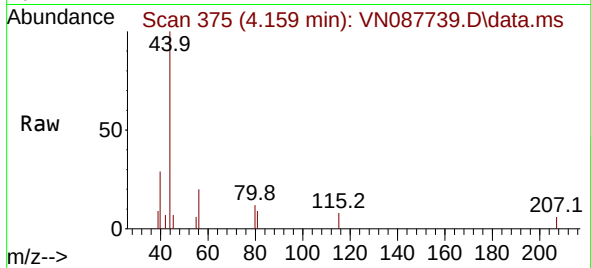
Tgt Ion:142 Resp: 74
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



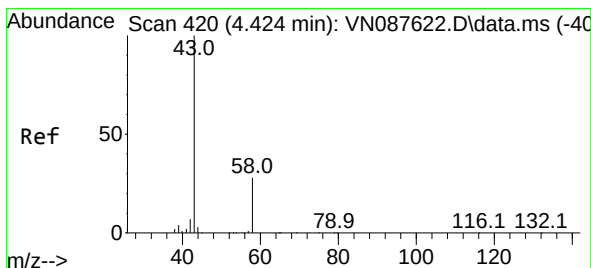
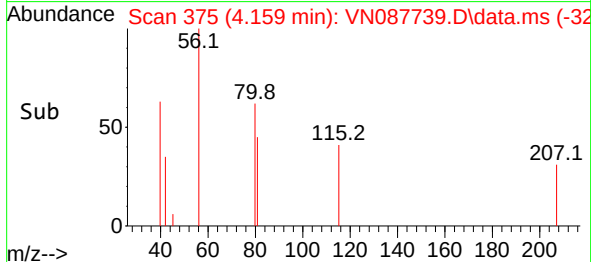
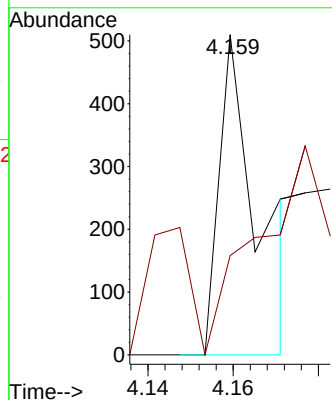


#13
Acrolein
Concen: 0.508 ug/l
RT: 4.159 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :

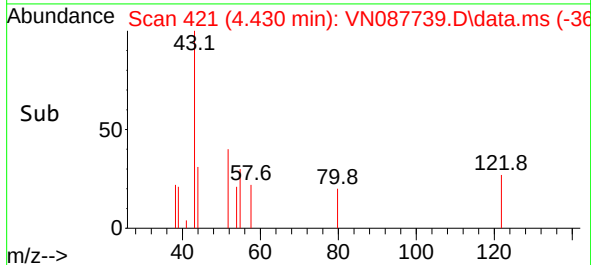
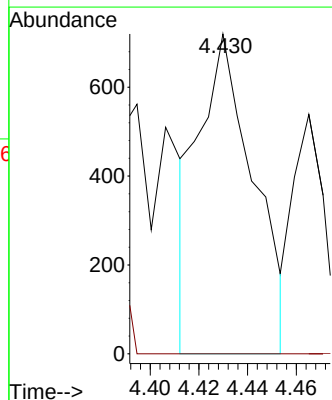
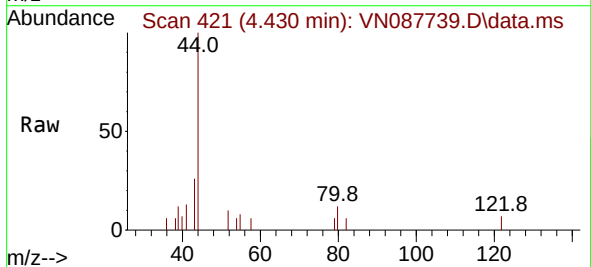


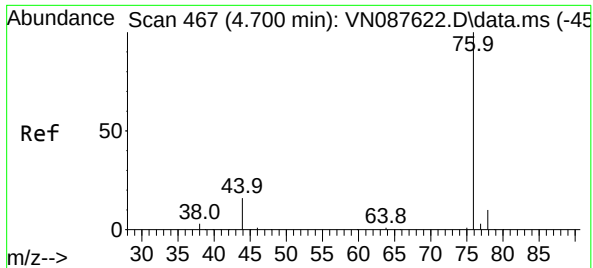
Tgt Ion: 56 Resp: 325
Ion Ratio Lower Upper
56 100
55 42.8 57.3 85.9#



#16
Acetone
Concen: 0.691 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

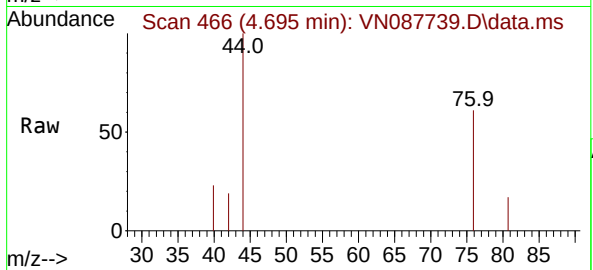
Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



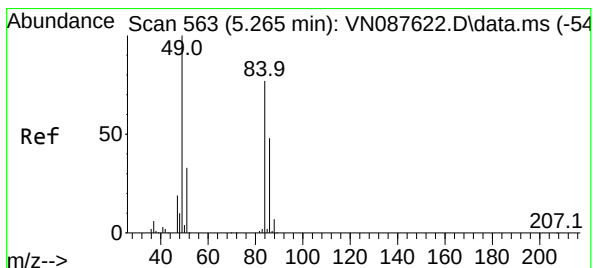
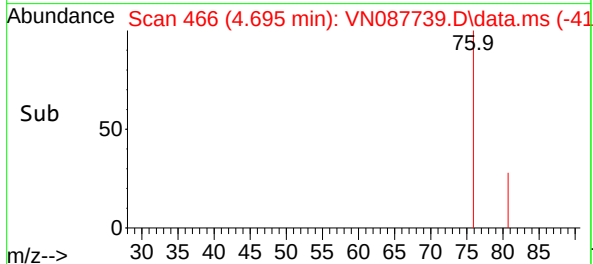
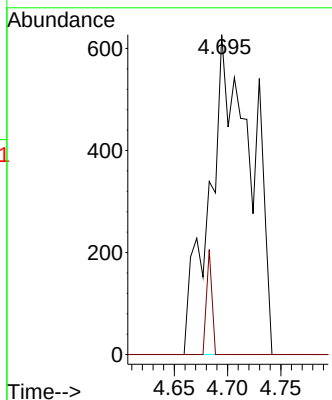


#17
Carbon Disulfide
Concen: 0.294 ug/l
RT: 4.695 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :

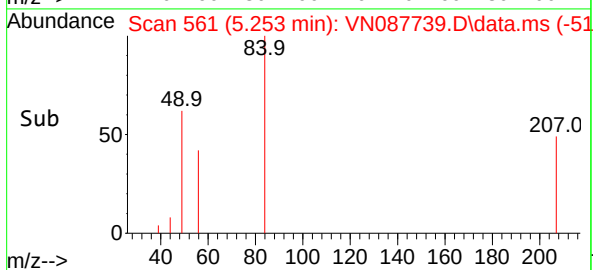
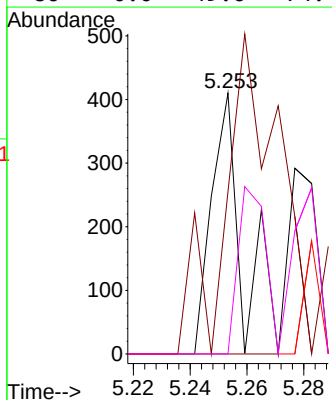
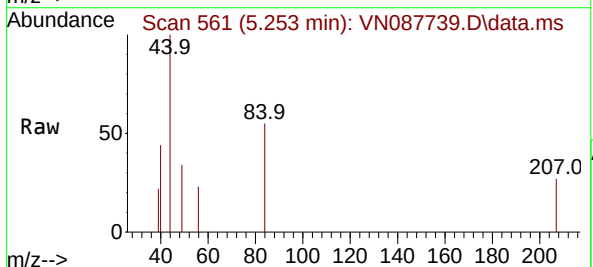


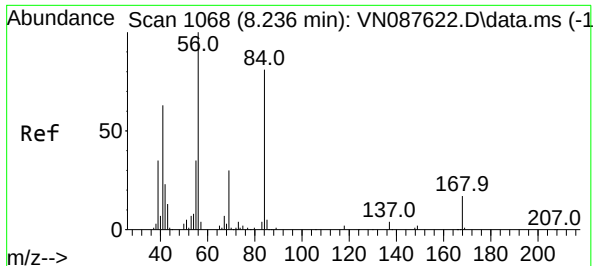
Tgt Ion: 76 Resp: 1706
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

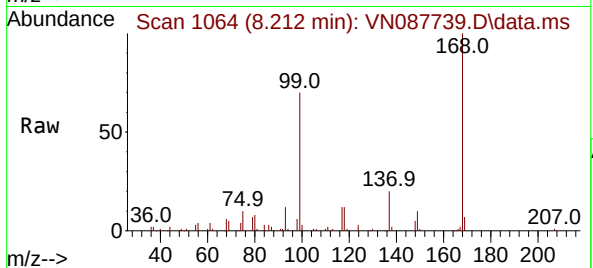
Tgt Ion: 84 Resp: 312
Ion Ratio Lower Upper
84 100
49 62.2 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#



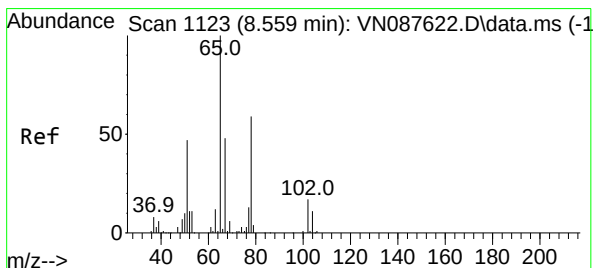
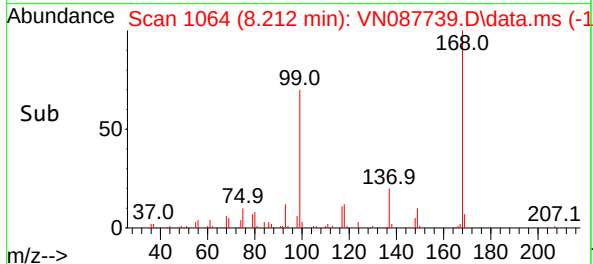
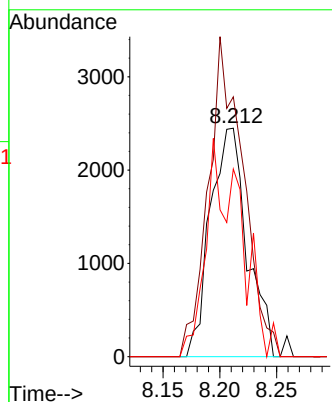


#31
Cyclohexane
Concen: 1.469 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :

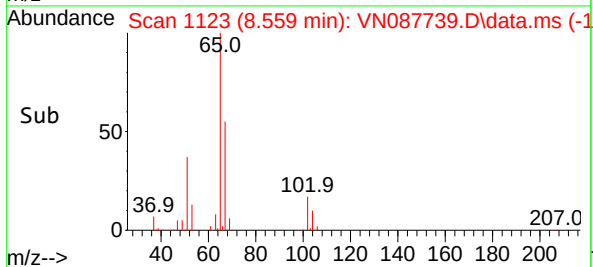
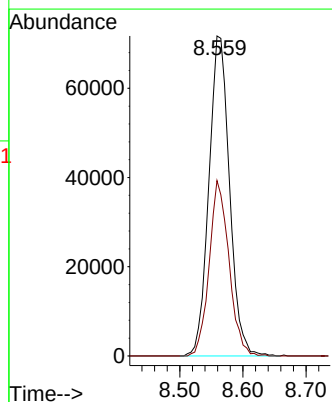
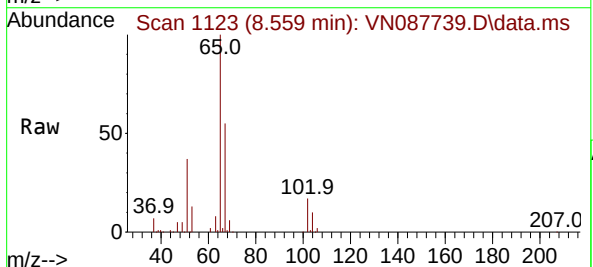


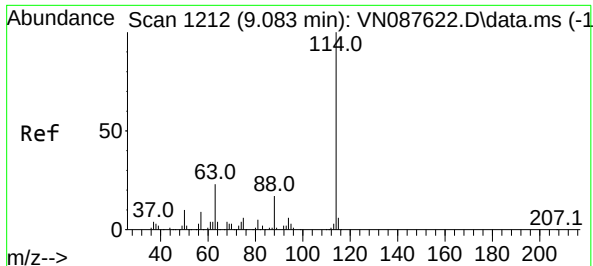
Tgt Ion: 56 Resp: 5533
Ion Ratio Lower Upper
56 100
69 113.8 23.7 35.5#
84 82.1 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 54.407 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

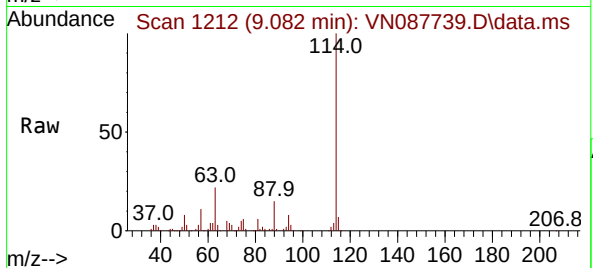
Tgt Ion: 65 Resp: 162942
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.0



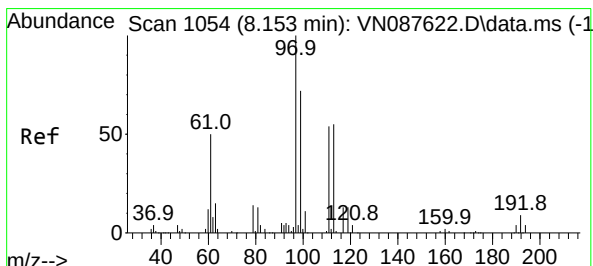
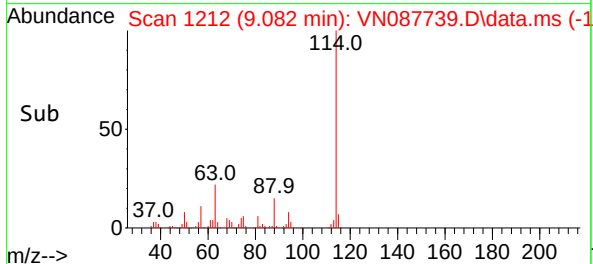
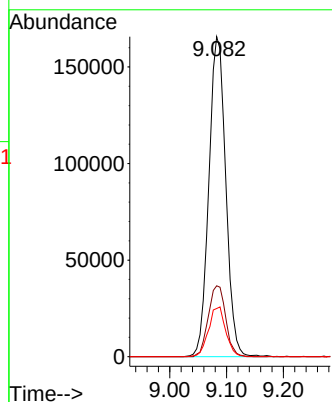


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :

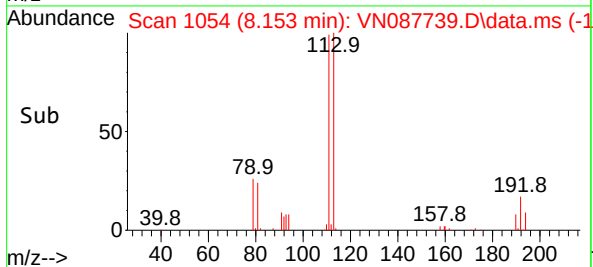
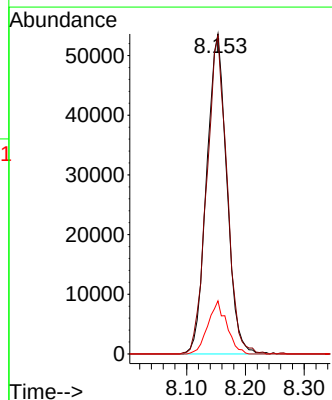
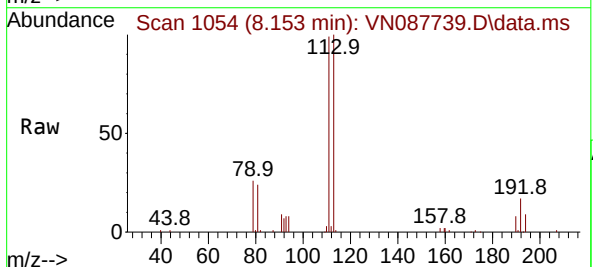


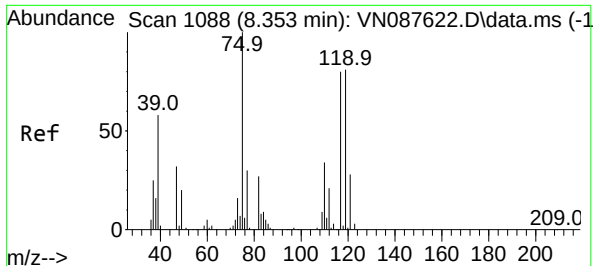
Tgt Ion:114 Resp: 341529
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.2
88 15.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 51.665 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

Tgt Ion:113 Resp: 127398
Ion Ratio Lower Upper
113 100
111 99.6 82.8 124.2
192 15.6 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.731 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

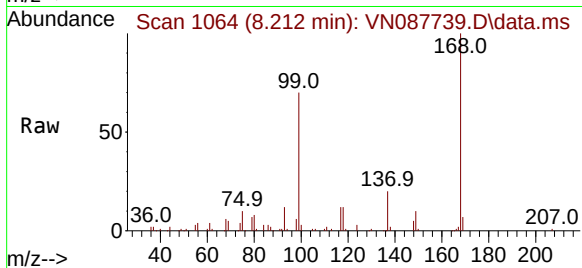
Lab File: VN087739.D

Acq: 05 Sep 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :



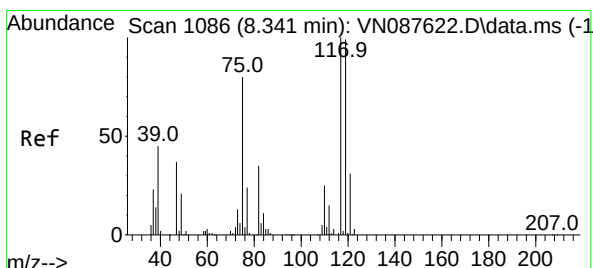
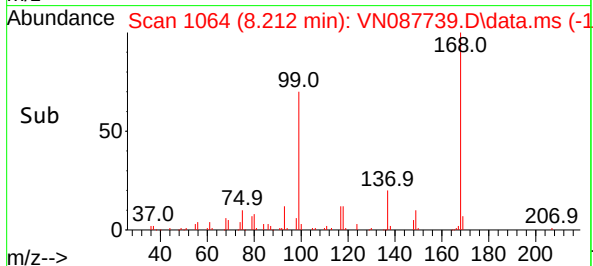
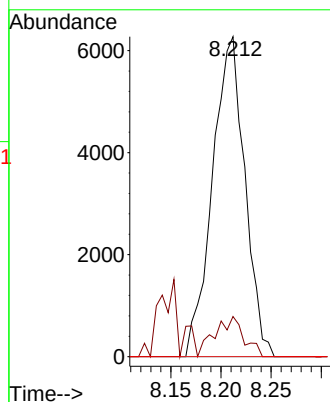
Tgt Ion: 75 Resp: 14113

Ion Ratio Lower Upper

75 100

110 11.2 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.428 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.130 min

Lab File: VN087739.D

Acq: 05 Sep 2025 14:00

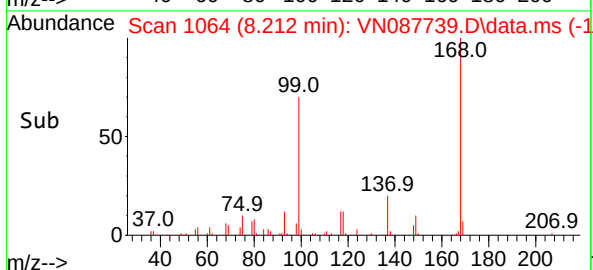
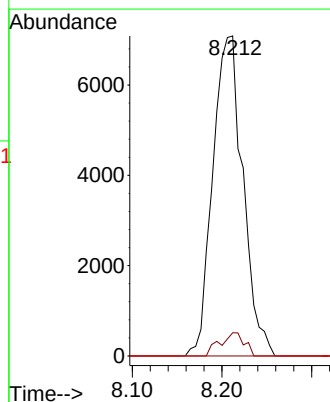
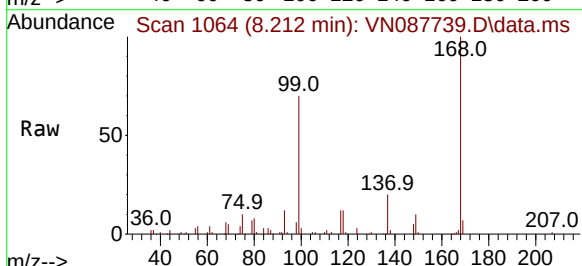
Tgt Ion: 117 Resp: 16539

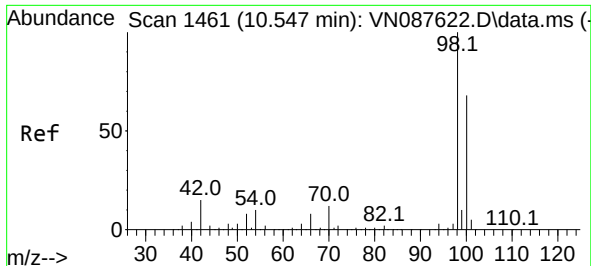
Ion Ratio Lower Upper

117 100

119 7.2 79.0 118.6#

121 0.0 25.0 37.6#

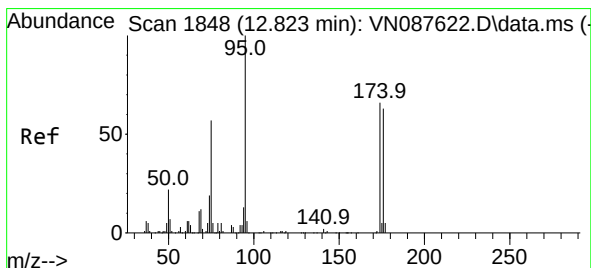
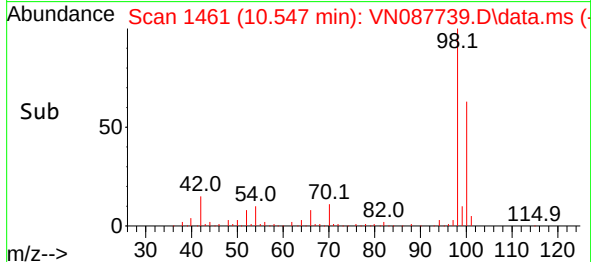
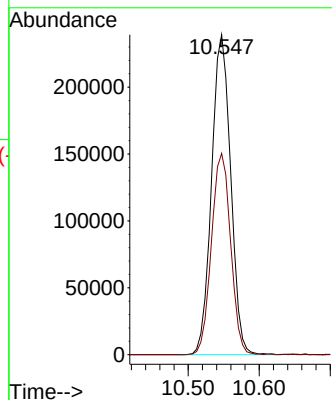
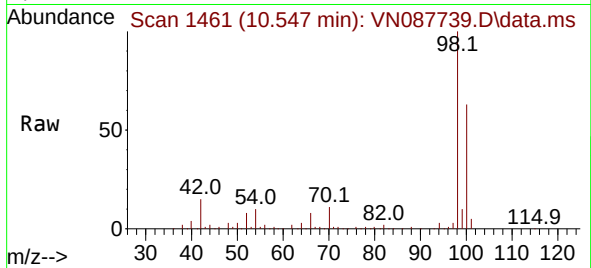




#50
Toluene-d8
Concen: 48.345 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

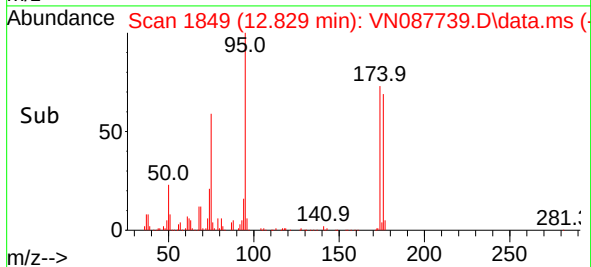
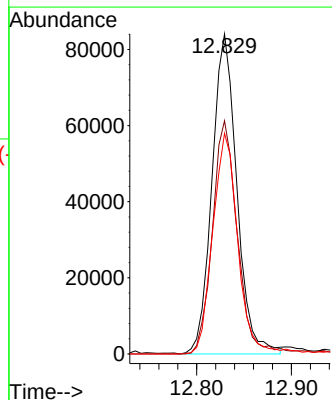
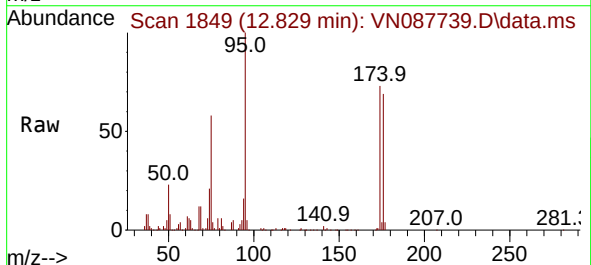
Instrument :
MSVOA_N
ClientSampleId :

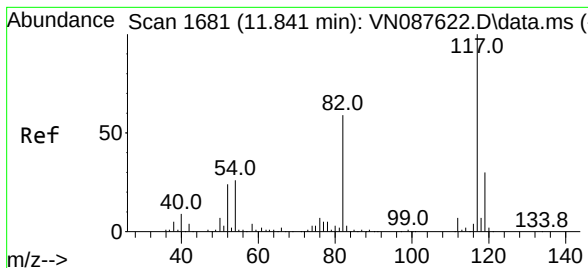
Tgt Ion: 98 Resp: 446187
Ion Ratio Lower Upper
98 100
100 63.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 46.725 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

Tgt Ion: 95 Resp: 153361
Ion Ratio Lower Upper
95 100
174 73.4 0.0 138.4
176 69.9 0.0 132.6

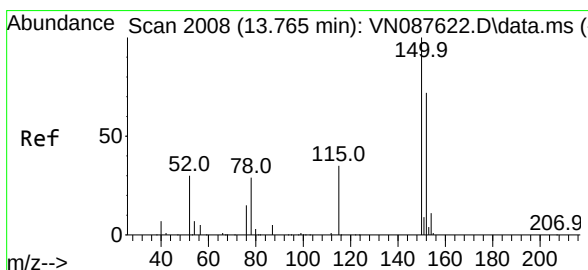
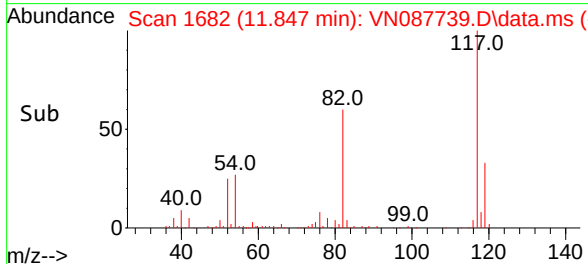
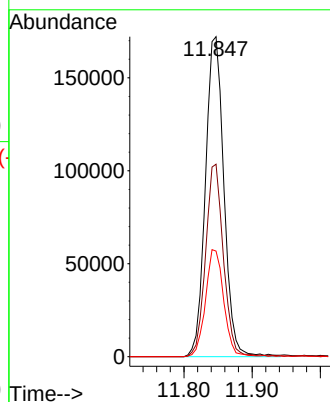
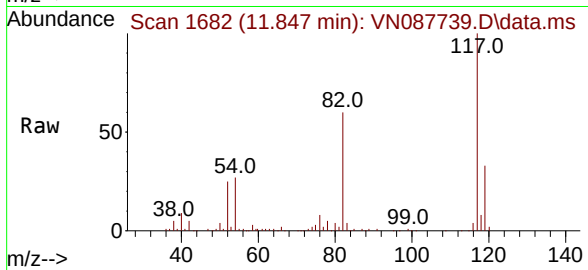




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

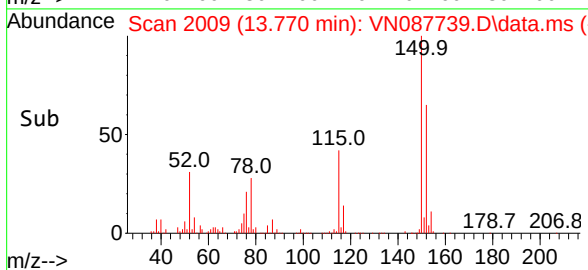
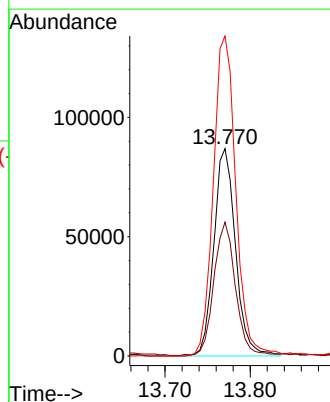
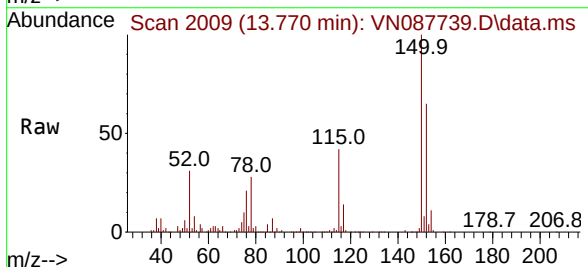
Instrument :
MSVOA_N
ClientSampleId :

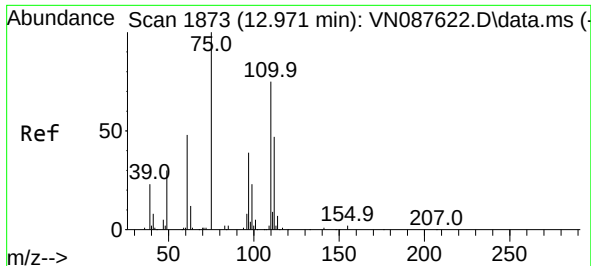
Tgt Ion:117 Resp: 325501
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 33.0 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

Tgt Ion:152 Resp: 153480
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 160.0 0.0 351.0

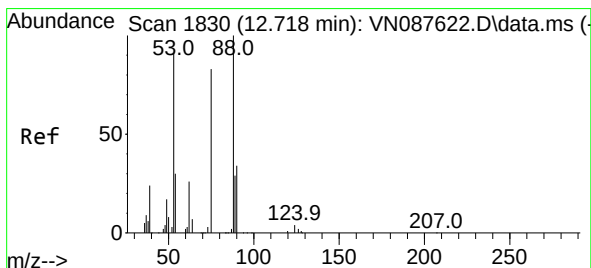
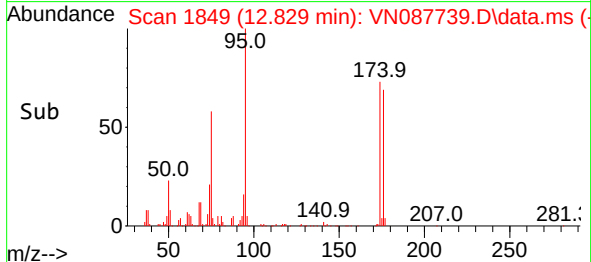
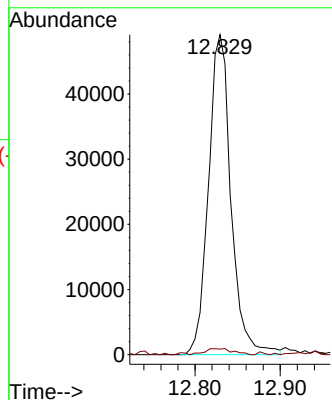
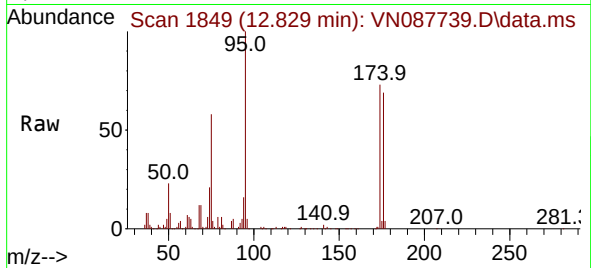




#76
1,2,3-Trichloropropane
Concen: 25.015 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

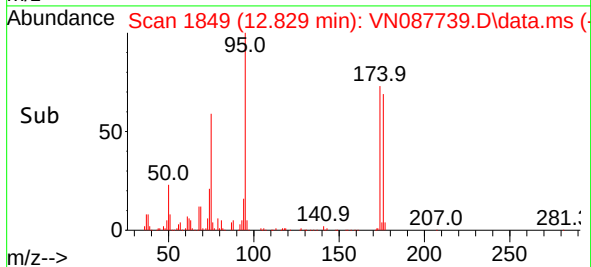
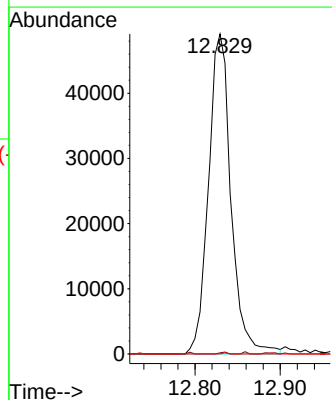
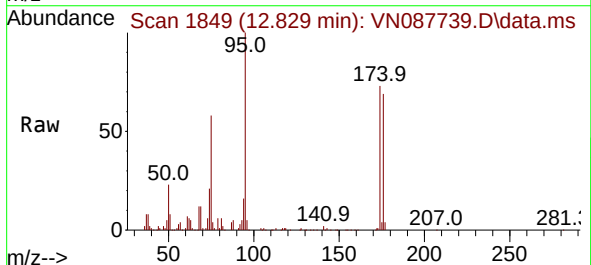
Instrument :
MSVOA_N
ClientSampleId :

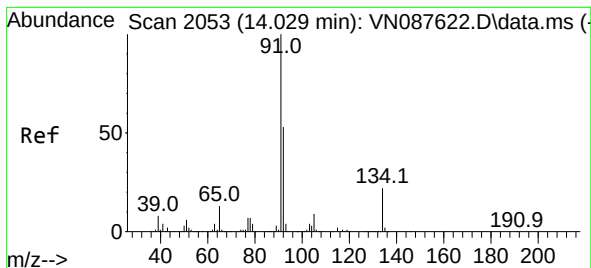
Tgt Ion: 75 Resp: 90035
Ion Ratio Lower Upper
75 100
77 2.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.225 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087739.D
Acq: 05 Sep 2025 14:00

Tgt Ion: 75 Resp: 90035
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.1 35.6 53.4#





#89

n-Butylbenzene

Concen: 0.343 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VN087739.D

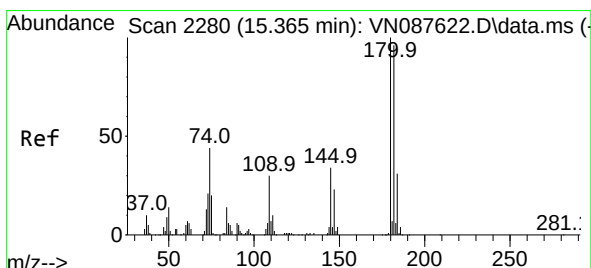
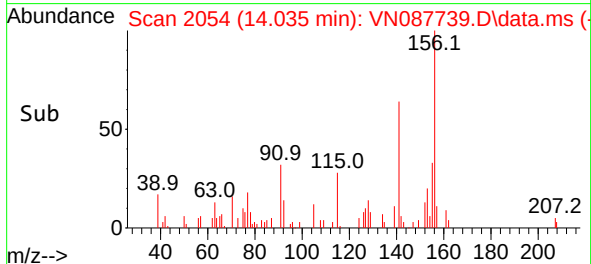
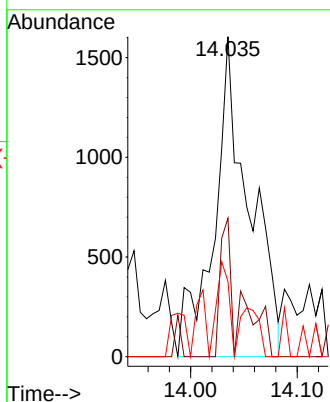
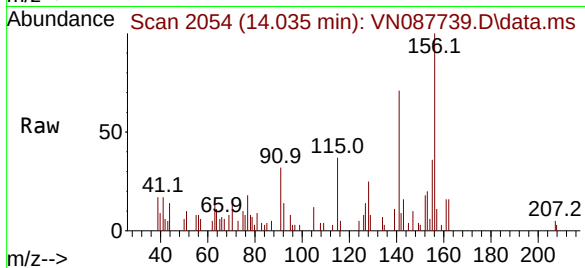
Acq: 05 Sep 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 3657
Ion Ratio	Lower Upper
91	100
92	18.1 25.9 77.8#
134	10.5 11.7 35.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.210 ug/l

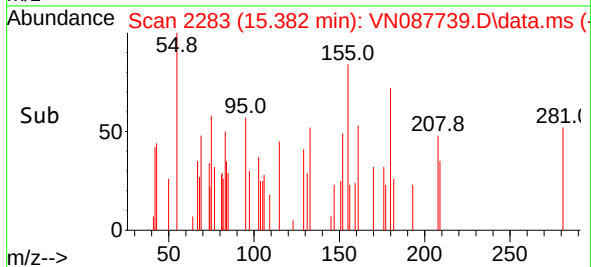
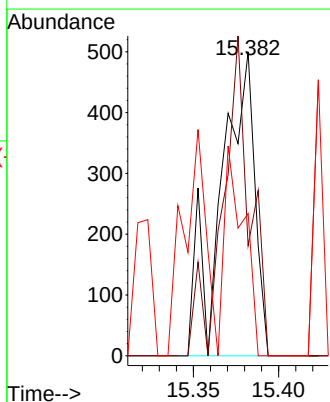
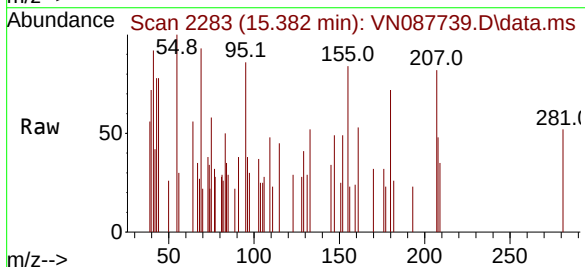
RT: 15.382 min Scan# 2283

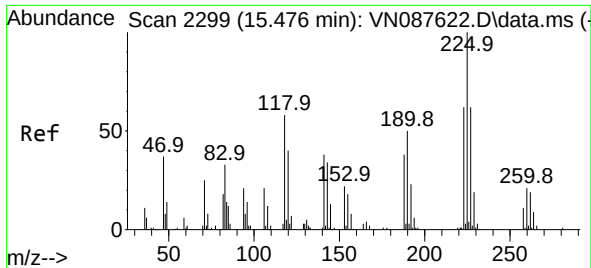
Delta R.T. 0.018 min

Lab File: VN087739.D

Acq: 05 Sep 2025 14:00

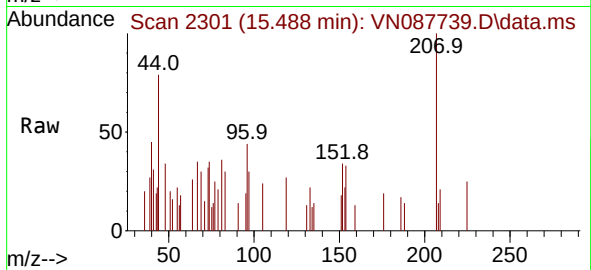
Tgt Ion: 180	Resp: 689
Ion Ratio	Lower Upper
180	100
182	83.9 47.6 142.9
145	40.3 16.5 49.5





#94
 Hexachlorobutadiene
 Concen: 0.229 ug/l
 RT: 15.488 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN087739.D
 Acq: 05 Sep 2025 14:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	268
Ion	Ratio	Lower	Upper
225	100		
223	152.6	32.0	96.2#
227	120.9	32.1	96.5#

