

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087744.D
 Acq On : 05 Sep 2025 15:45
 Operator : JC\MD
 Sample : Q3033-01 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 01:07:42 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)

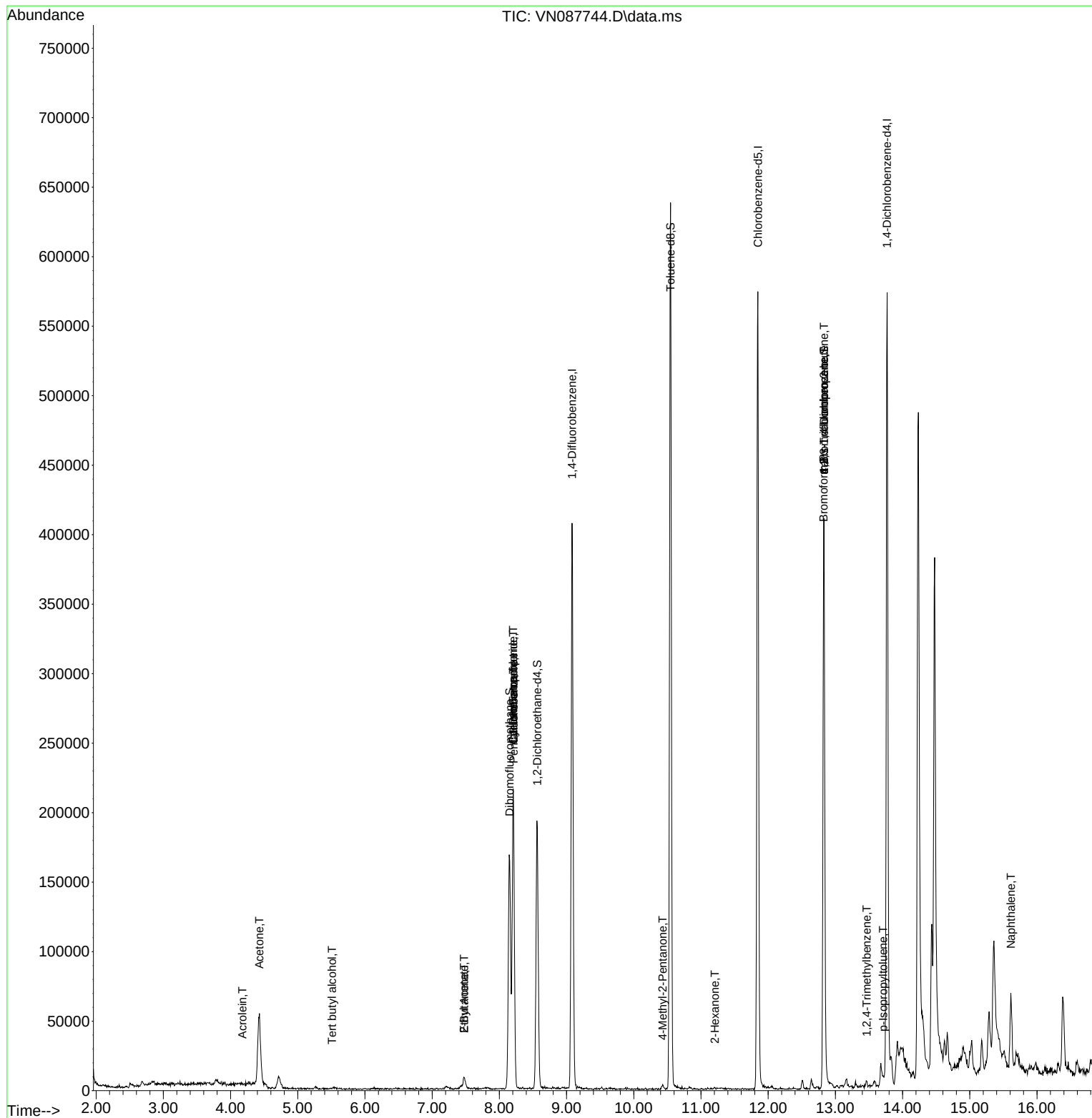
Internal Standards						
1) Pentafluorobenzene	8.212	168	142957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	325258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	314610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	146194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	159562	54.476	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.960%	
35) Dibromofluoromethane	8.153	113	120445	51.289	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.580%	
50) Toluene-d8	10.547	98	425211	48.377	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	12.829	95	143484	45.903	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.800%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	599	1.178	ug/l	100
13) Acrolein	4.177	56	268	0.429	ug/l #	14
16) Acetone	4.430	43	99946	62.683	ug/l	93
20) Methylene Chloride	5.253	84	669	Below Cal	#	61
25) 2-Butanone	7.477	43	14604	6.962	ug/l #	88
31) Cyclohexane	8.206	56	4533	1.230	ug/l #	54
36) 1,1-Dichloropropene	8.206	75	13452	3.734	ug/l #	49
37) Ethyl Acetate	7.477	43	14604	2.966	ug/l #	72
38) Carbon Tetrachloride	8.206	117	16614	4.671	ug/l #	16
51) 4-Methyl-2-Pentanone	10.429	43	2812	0.606	ug/l	88
59) 2-Hexanone	11.206	43	700	0.239	ug/l #	26
71) Bromoform	12.823	173	1252	0.628	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	86396	25.201	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	86396	66.716	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.464	105	2308	0.230	ug/l	99
86) p-Isopropyltoluene	13.712	119	3384	0.331	ug/l #	54
95) Naphthalene	15.611	128	50787	4.588	ug/l	98

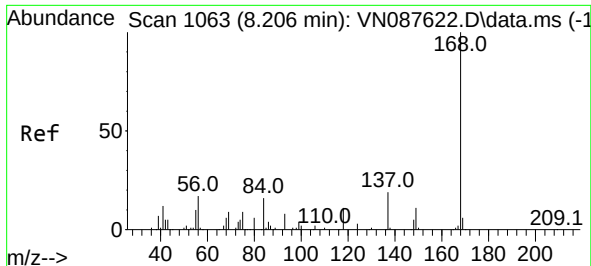
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 06 01:07:42 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

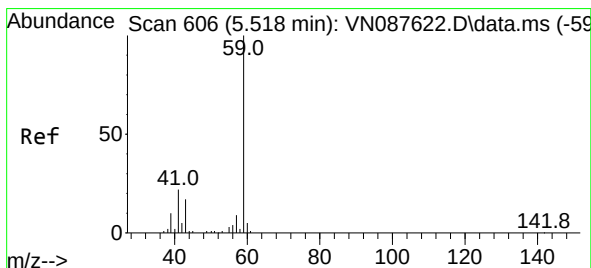
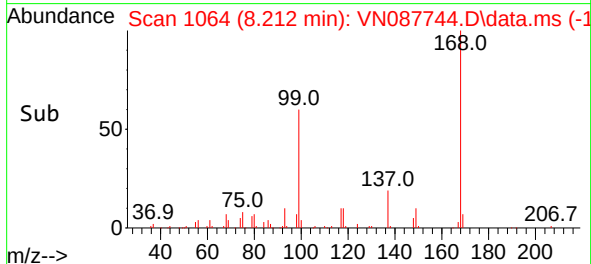
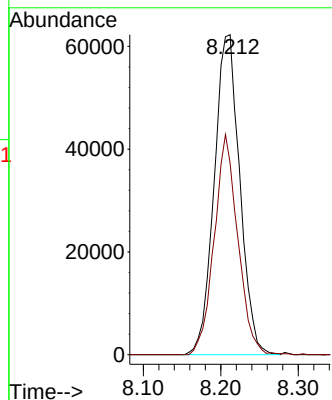
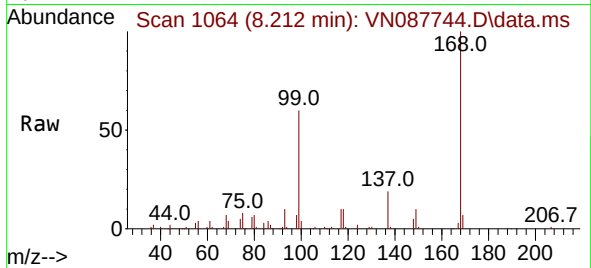




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

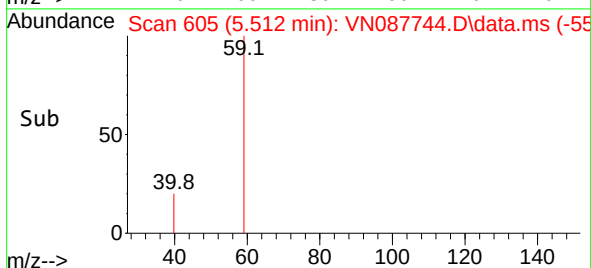
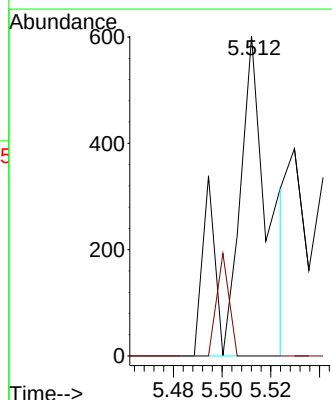
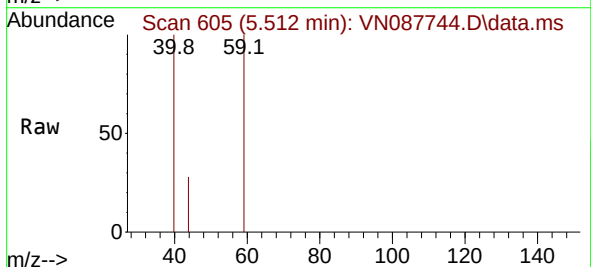
Instrument :
MSVOA_N
ClientSampleId :

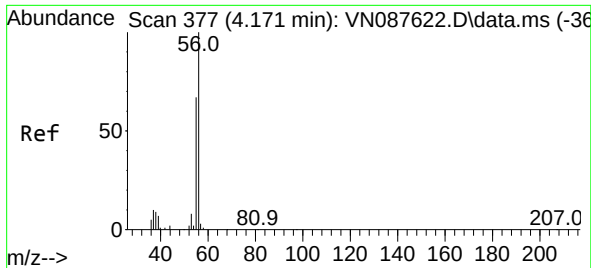
Tgt Ion:168 Resp: 142957
Ion Ratio Lower Upper
168 100
99 59.9 57.2 85.8



#11
Tert butyl alcohol
Concen: 1.178 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

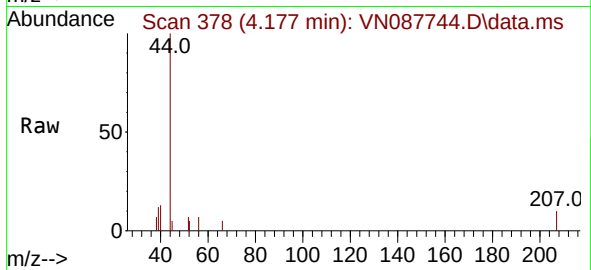
Tgt Ion: 59 Resp: 599
Ion Ratio Lower Upper
59 100
57 11.4 9.0 13.4



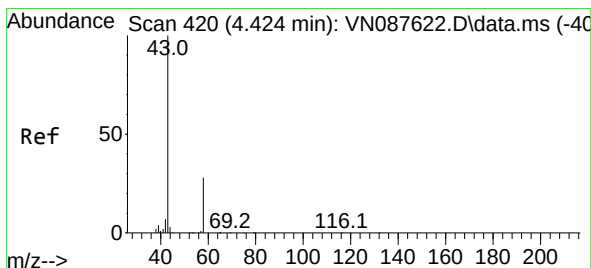
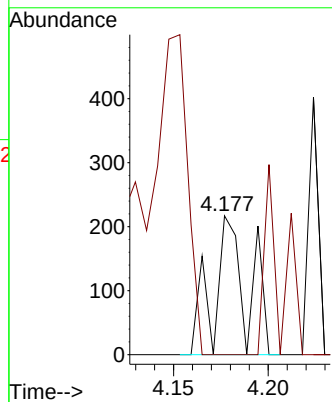
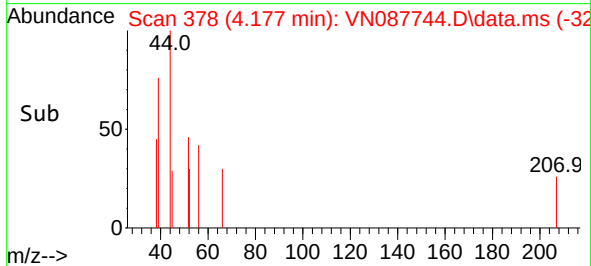


#13
Acrolein
Concen: 0.429 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :

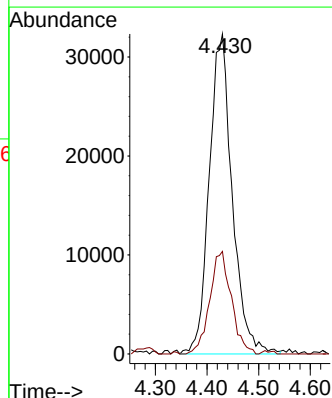
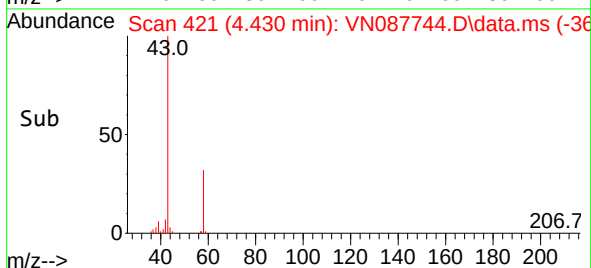
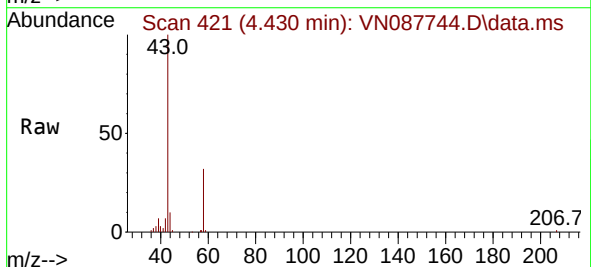


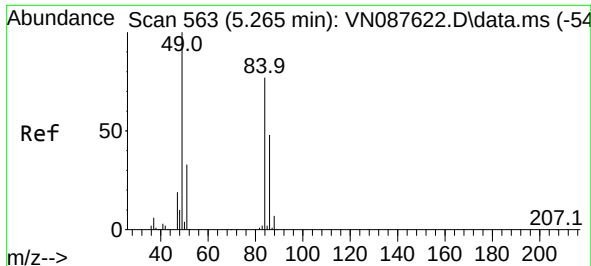
Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#16
Acetone
Concen: 62.683 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

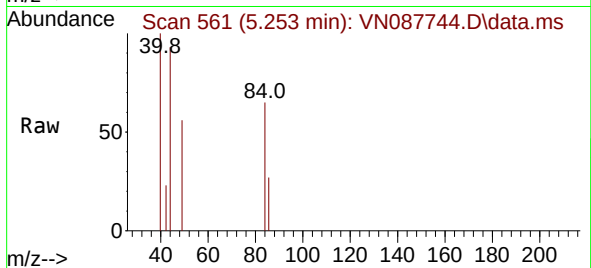
Tgt Ion: 43 Resp: 99946
Ion Ratio Lower Upper
43 100
58 32.0 22.6 33.8



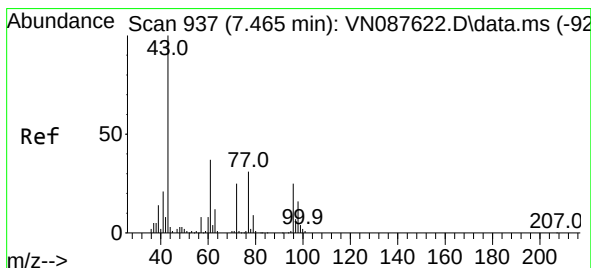
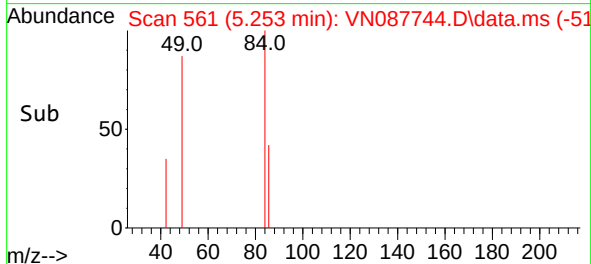
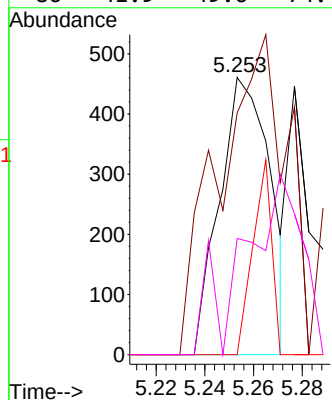


#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :

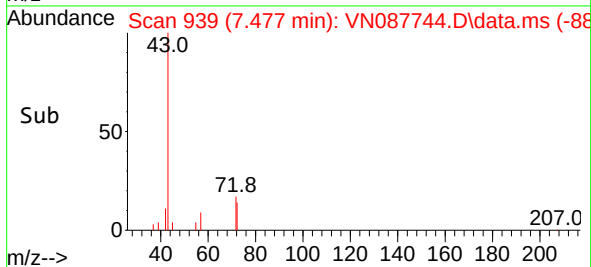
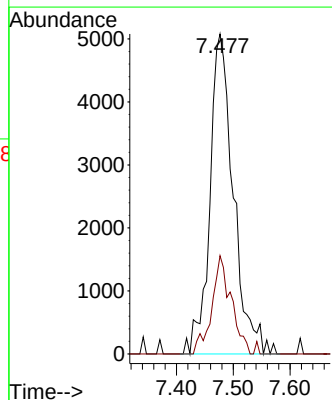
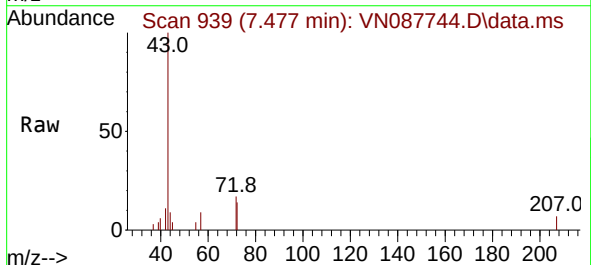


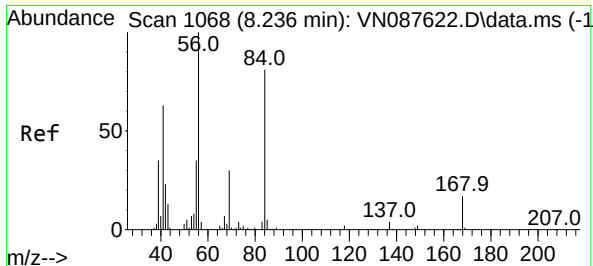
Tgt Ion: 84 Resp: 669
Ion Ratio Lower Upper
84 100
49 87.2 103.4 155.2#
51 0.0 33.8 50.8#
86 41.9 49.6 74.4#



#25
2-Butanone
Concen: 6.962 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

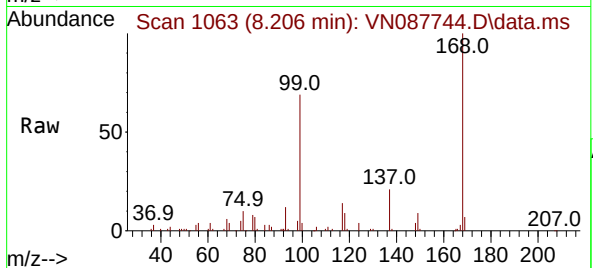
Tgt Ion: 43 Resp: 14604
Ion Ratio Lower Upper
43 100
72 30.7 19.9 29.9#



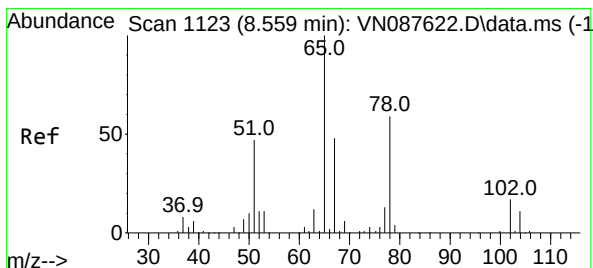
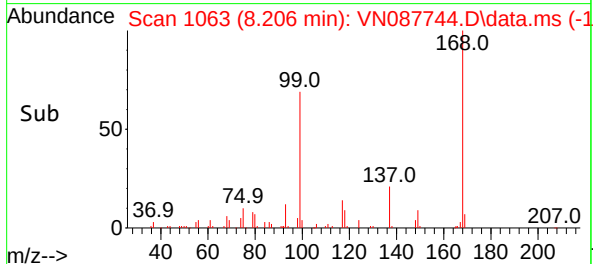
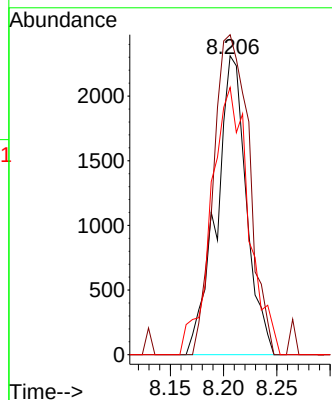


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :

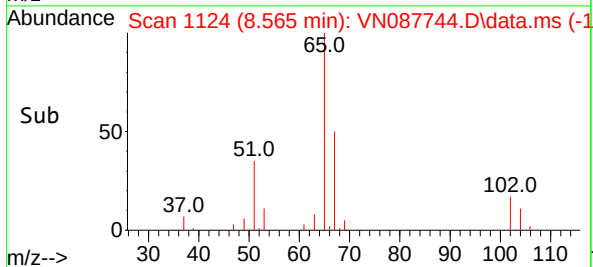
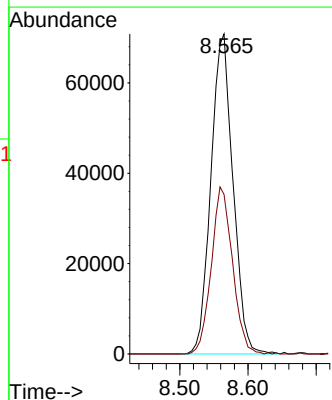
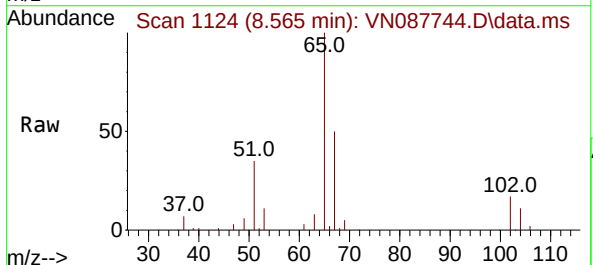


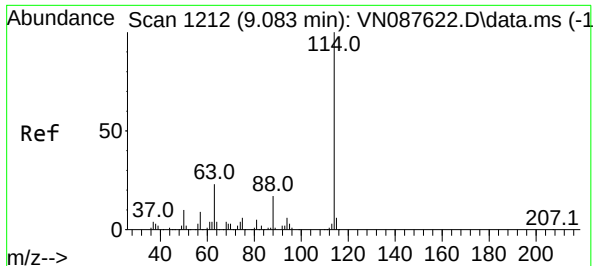
Tgt Ion: 56 Resp: 4533
Ion Ratio Lower Upper
56 100
69 107.1 23.7 35.5#
84 89.4 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 54.476 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

Tgt Ion: 65 Resp: 159562
Ion Ratio Lower Upper
65 100
67 50.1 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: VN087744.D

Acq: 05 Sep 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :

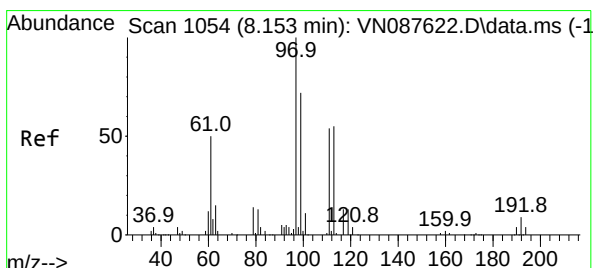
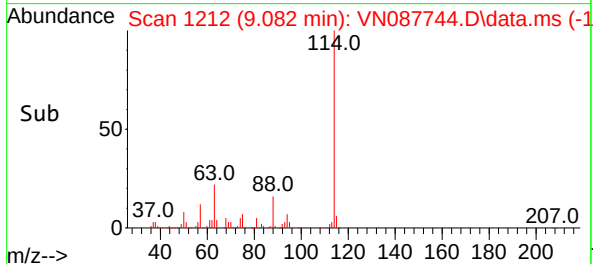
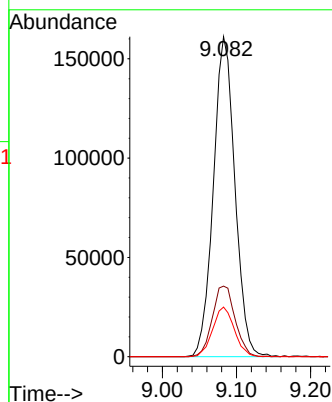
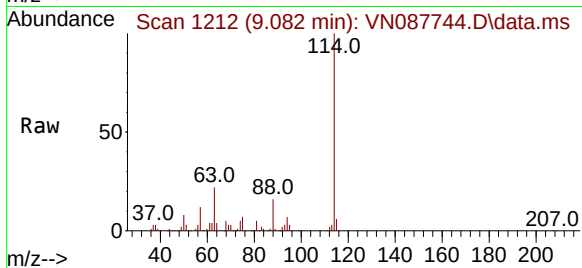
Tgt Ion:114 Resp: 325258

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

88 15.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.289 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087744.D

Acq: 05 Sep 2025 15:45

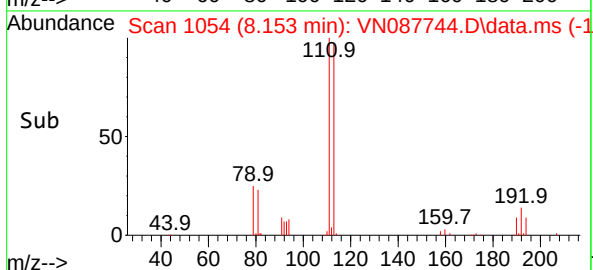
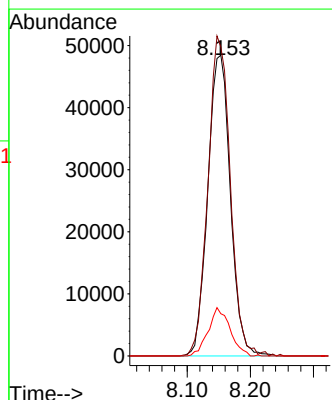
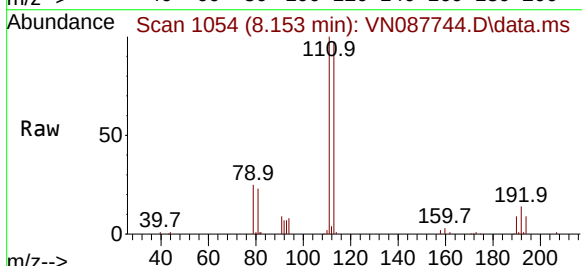
Tgt Ion:113 Resp: 120445

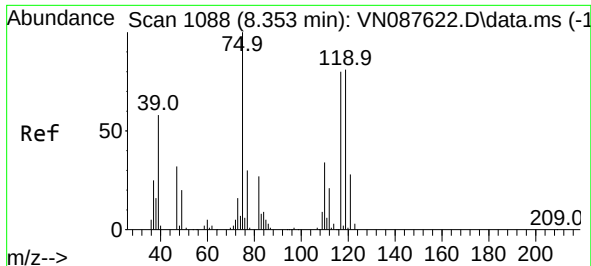
Ion Ratio Lower Upper

113 100

111 105.2 82.8 124.2

192 15.5 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.734 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

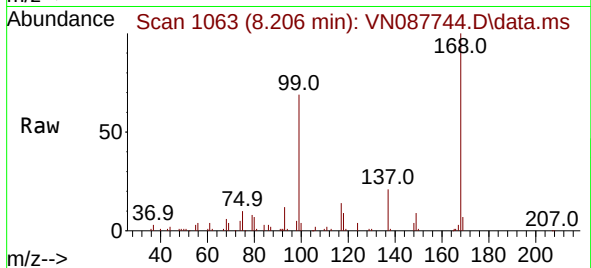
Lab File: VN087744.D

Acq: 05 Sep 2025 15:45

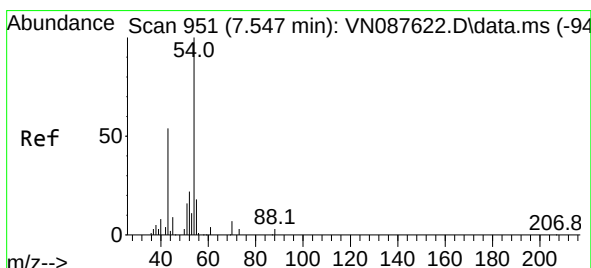
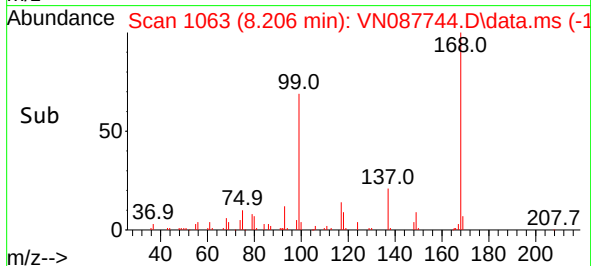
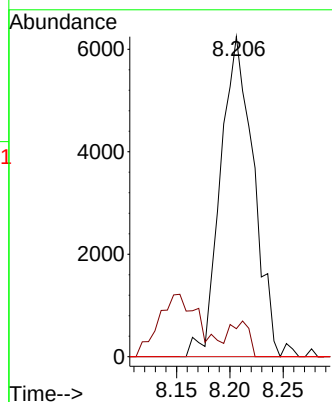
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13452
Ion	Ratio	Lower	Upper
75	100		
110	6.4	15.9	47.6#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 2.966 ug/l

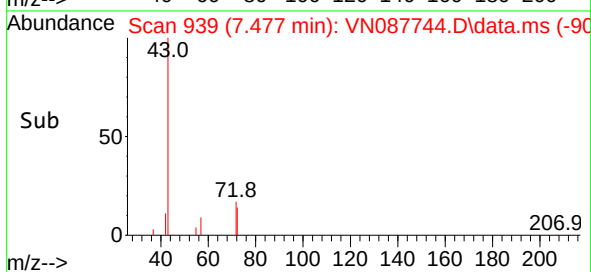
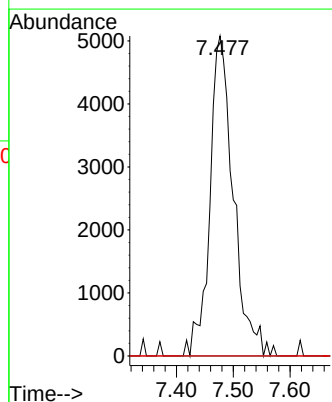
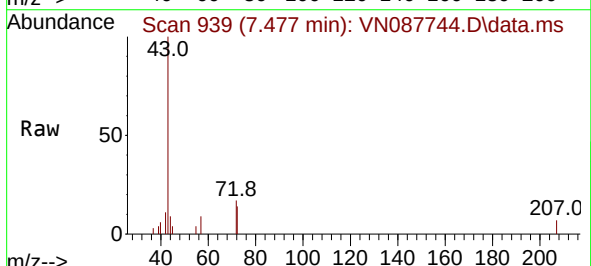
RT: 7.477 min Scan# 939

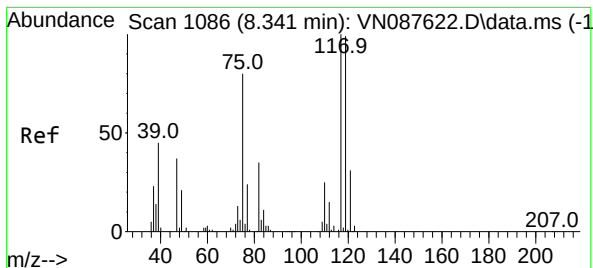
Delta R.T. -0.071 min

Lab File: VN087744.D

Acq: 05 Sep 2025 15:45

Tgt Ion:	43	Resp:	14604
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.3	13.9#
70	0.0	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 4.671 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

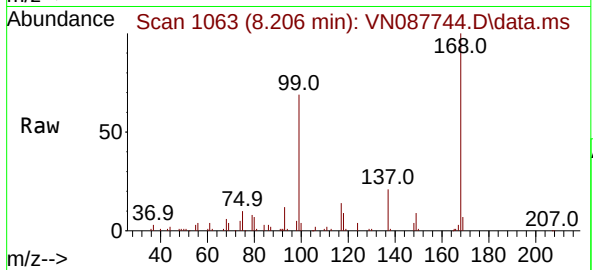
Lab File: VN087744.D

Acq: 05 Sep 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :



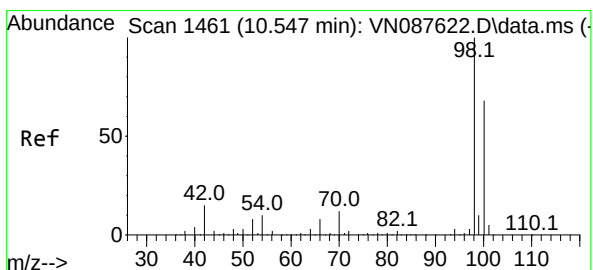
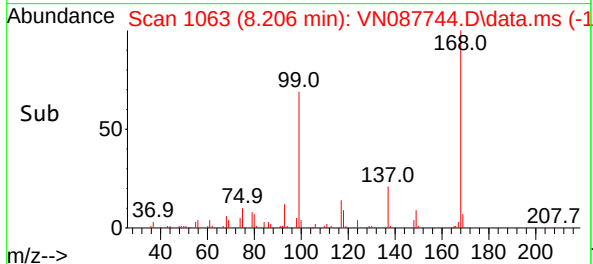
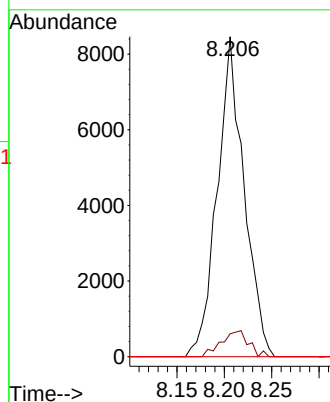
Tgt Ion:117 Resp: 16614

Ion Ratio Lower Upper

117 100

119 7.1 79.0 118.6#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 48.377 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087744.D

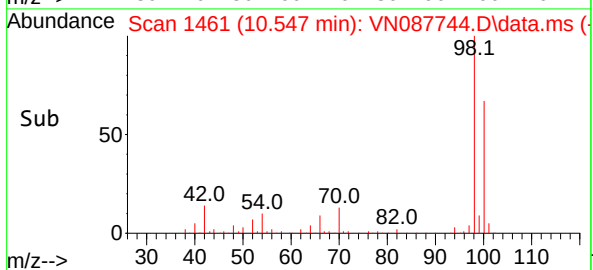
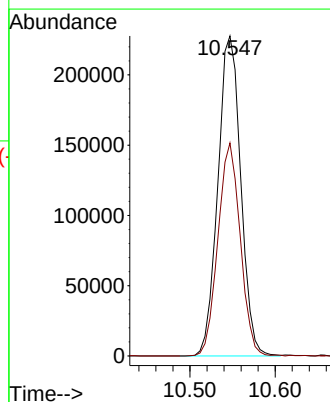
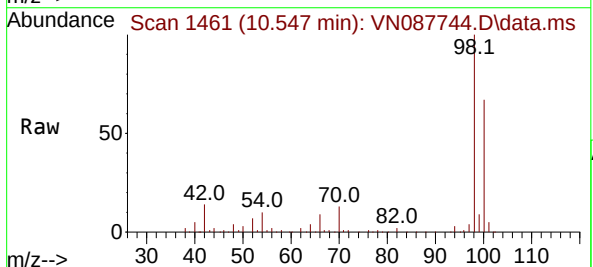
Acq: 05 Sep 2025 15:45

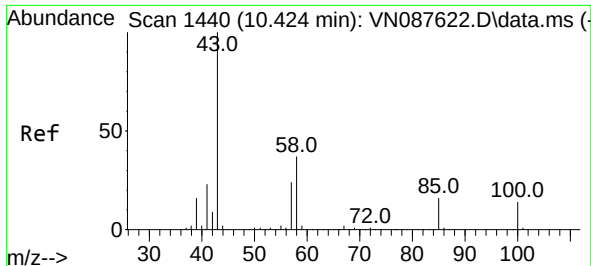
Tgt Ion: 98 Resp: 425211

Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2

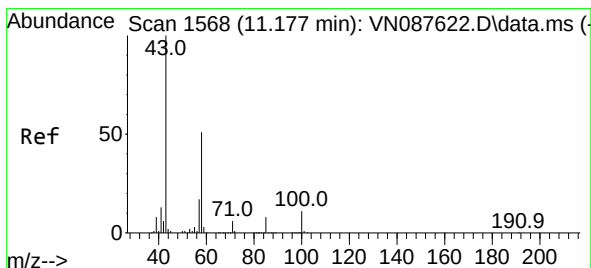
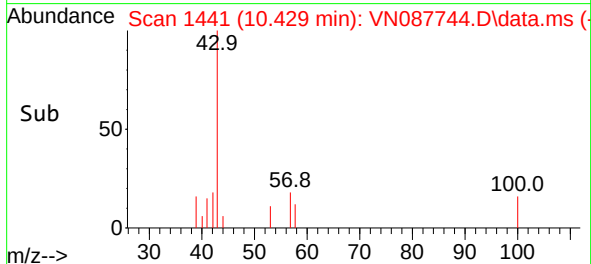
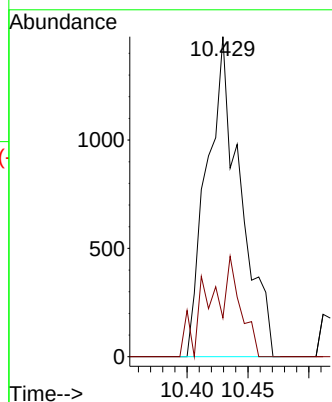
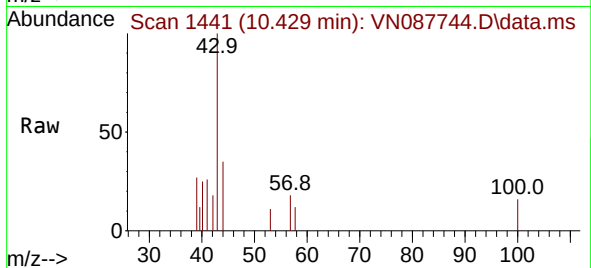




#51
4-Methyl-2-Pentanone
Concen: 0.606 ug/l
RT: 10.429 min Scan# 1440
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

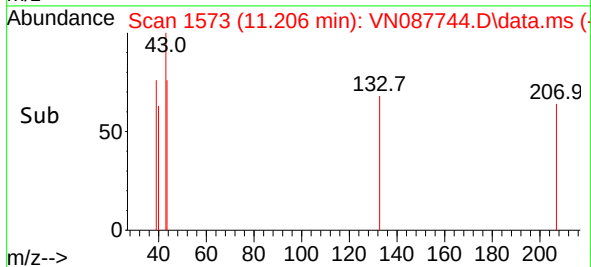
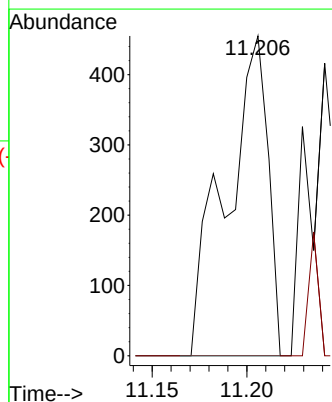
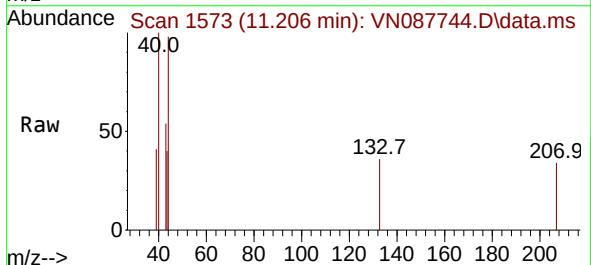
Instrument :
MSVOA_N
ClientSampleId :

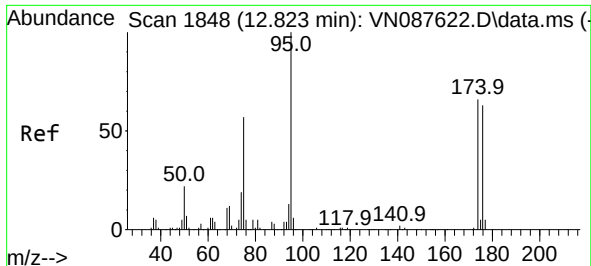
Tgt Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
58 29.7 29.6 44.4



#59
2-Hexanone
Concen: 0.239 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.029 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

Tgt Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

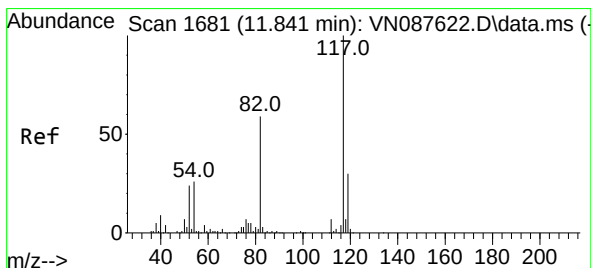
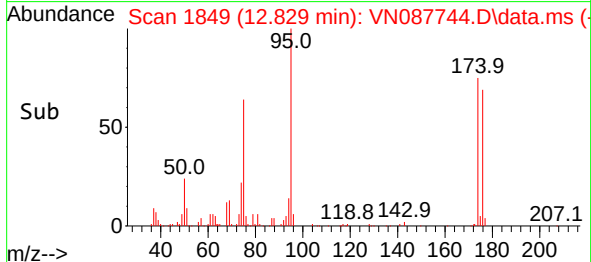
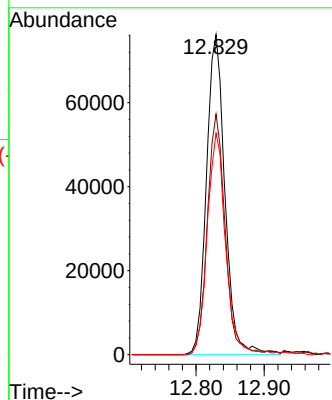
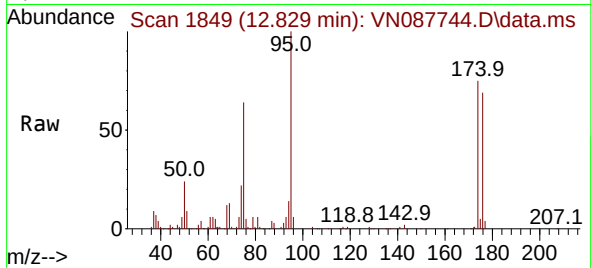




#62
4-Bromofluorobenzene
Concen: 45.903 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

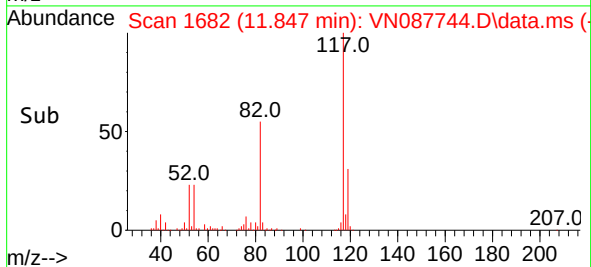
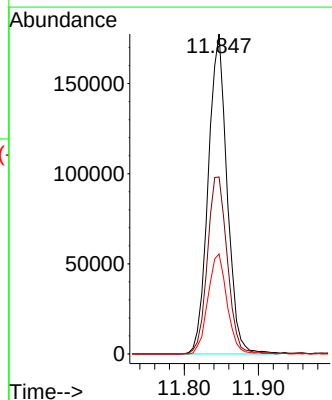
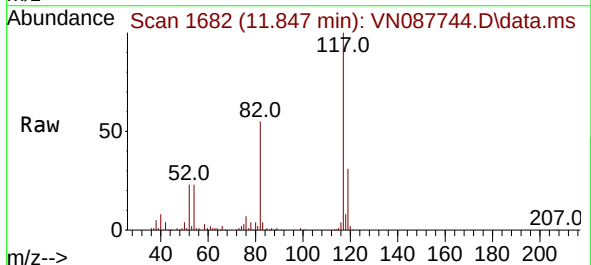
Instrument :
MSVOA_N
ClientSampleId :

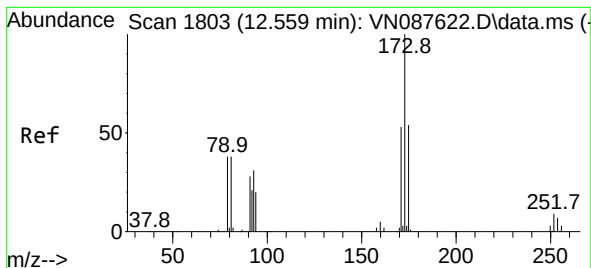
Tgt Ion: 95 Resp: 143484
Ion Ratio Lower Upper
95 100
174 72.5 0.0 138.4
176 68.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

Tgt Ion: 117 Resp: 314610
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 31.3 24.3 36.5





#71

Bromoform

Concen: 0.628 ug/l

RT: 12.823 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN087744.D

Acq: 05 Sep 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :

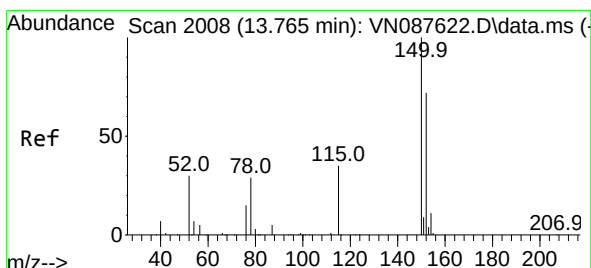
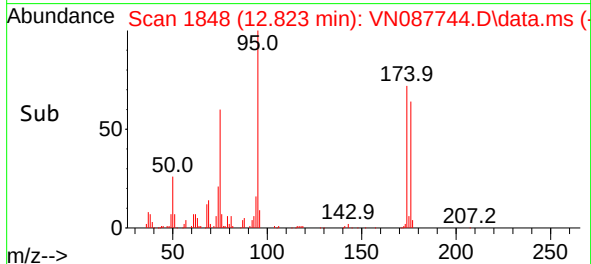
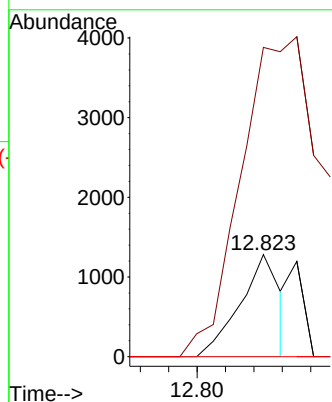
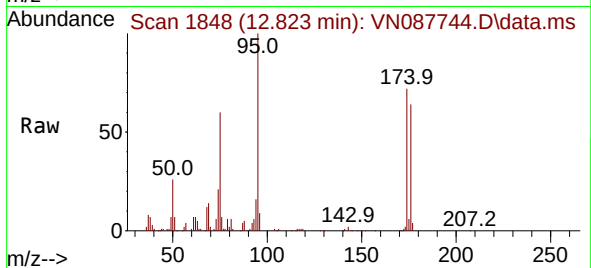
Tgt Ion:173 Resp: 1252

Ion Ratio Lower Upper

173 100

175 357.3 24.9 74.6#

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. 0.006 min

Lab File: VN087744.D

Acq: 05 Sep 2025 15:45

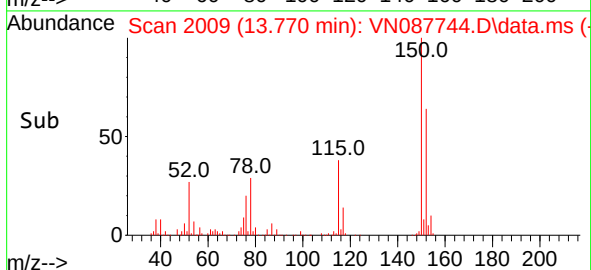
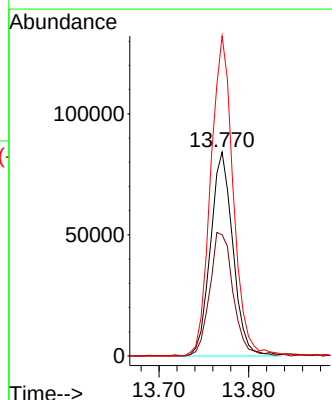
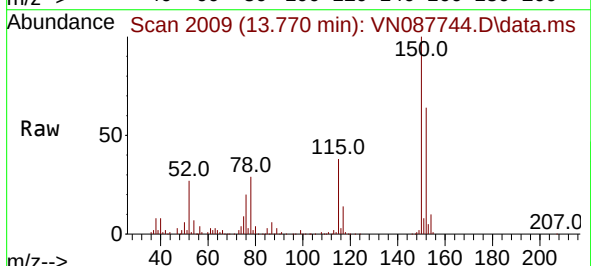
Tgt Ion:152 Resp: 146194

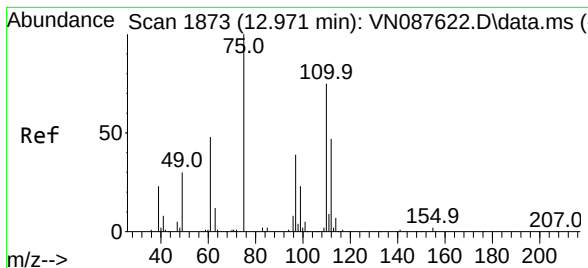
Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 158.1 0.0 351.0

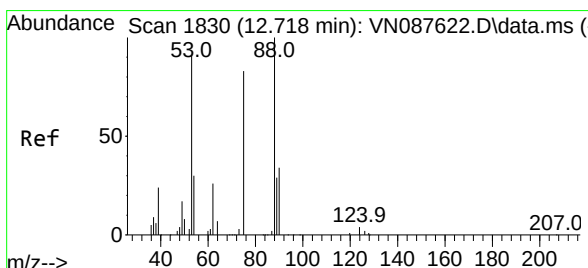
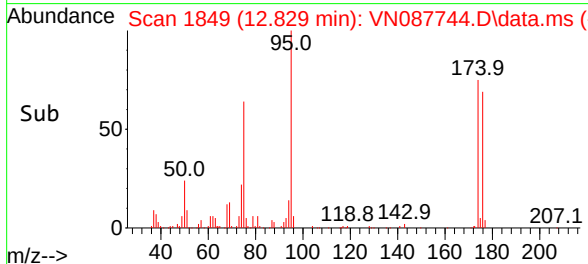
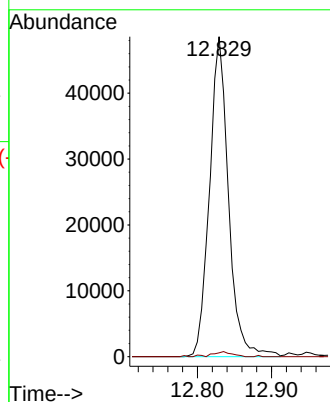
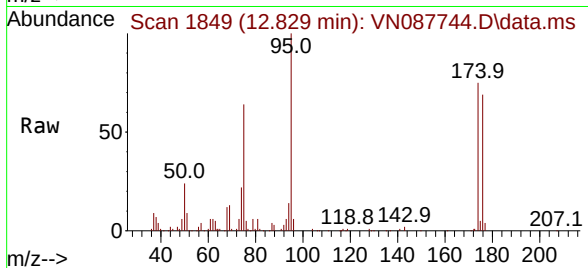




#76
1,2,3-Trichloropropane
Concen: 25.201 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

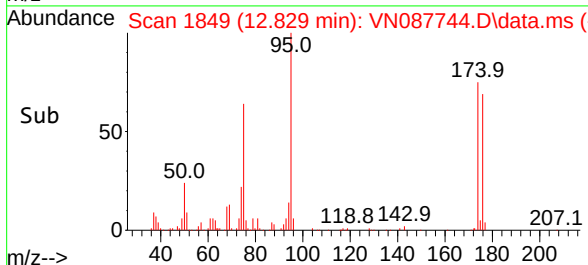
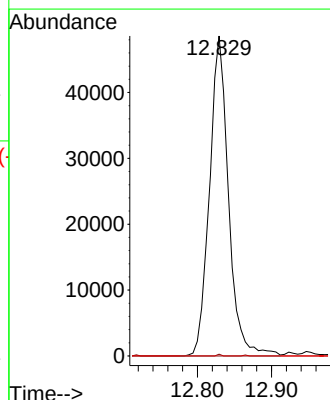
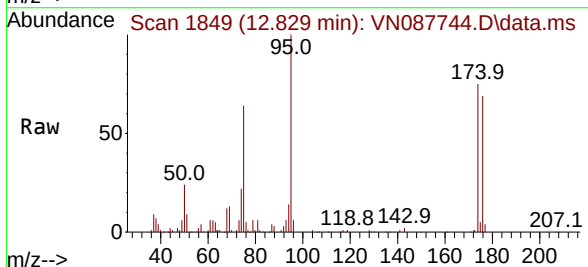
Instrument :
MSVOA_N
ClientSampleId :

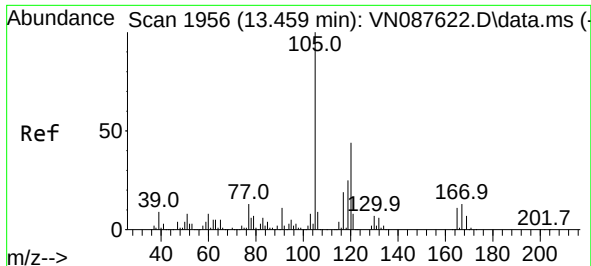
Tgt Ion: 75 Resp: 86396
Ion Ratio Lower Upper
75 100
77 1.6 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.716 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

Tgt Ion: 75 Resp: 86396
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#

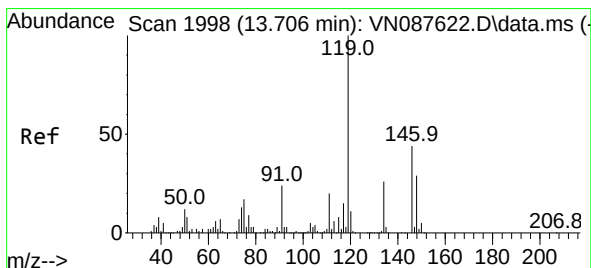
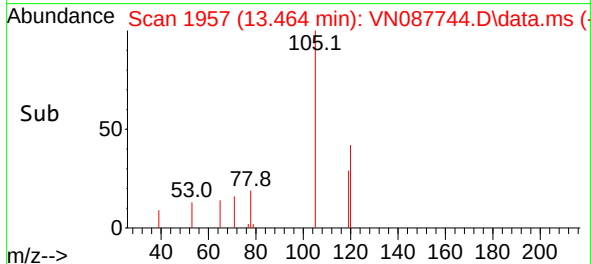
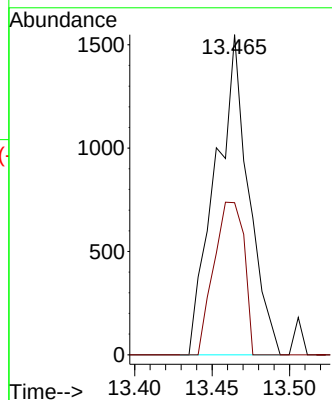
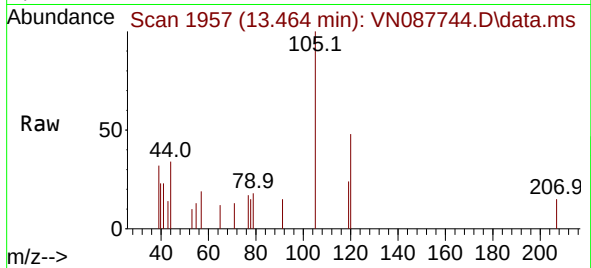




#84
1,2,4-Trimethylbenzene
Concen: 0.230 ug/l
RT: 13.464 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

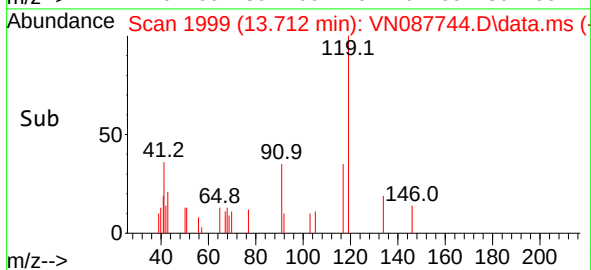
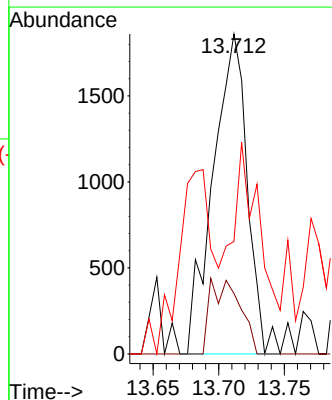
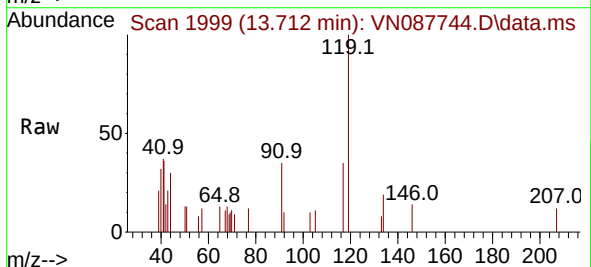
Instrument :
MSVOA_N
ClientSampleId :

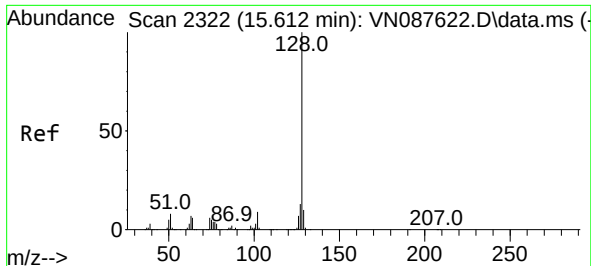
Tgt Ion:105 Resp: 2308
Ion Ratio Lower Upper
105 100
120 43.2 22.0 66.0



#86
p-Isopropyltoluene
Concen: 0.331 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.006 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

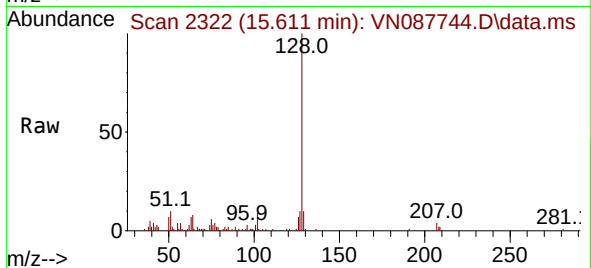
Tgt Ion:119 Resp: 3384
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.0#
91 45.8 12.5 37.5#





#95
Naphthalene
Concen: 4.588 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087744.D
Acq: 05 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 50787
Ion Ratio Lower Upper
128 100
127 12.1 10.6 15.8
129 10.1 8.6 12.8

