

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087738.D
 Acq On : 05 Sep 2025 13:39
 Operator : JC\MD
 Sample : Q3022-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1413

Quant Time: Sep 06 01:05:18 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)

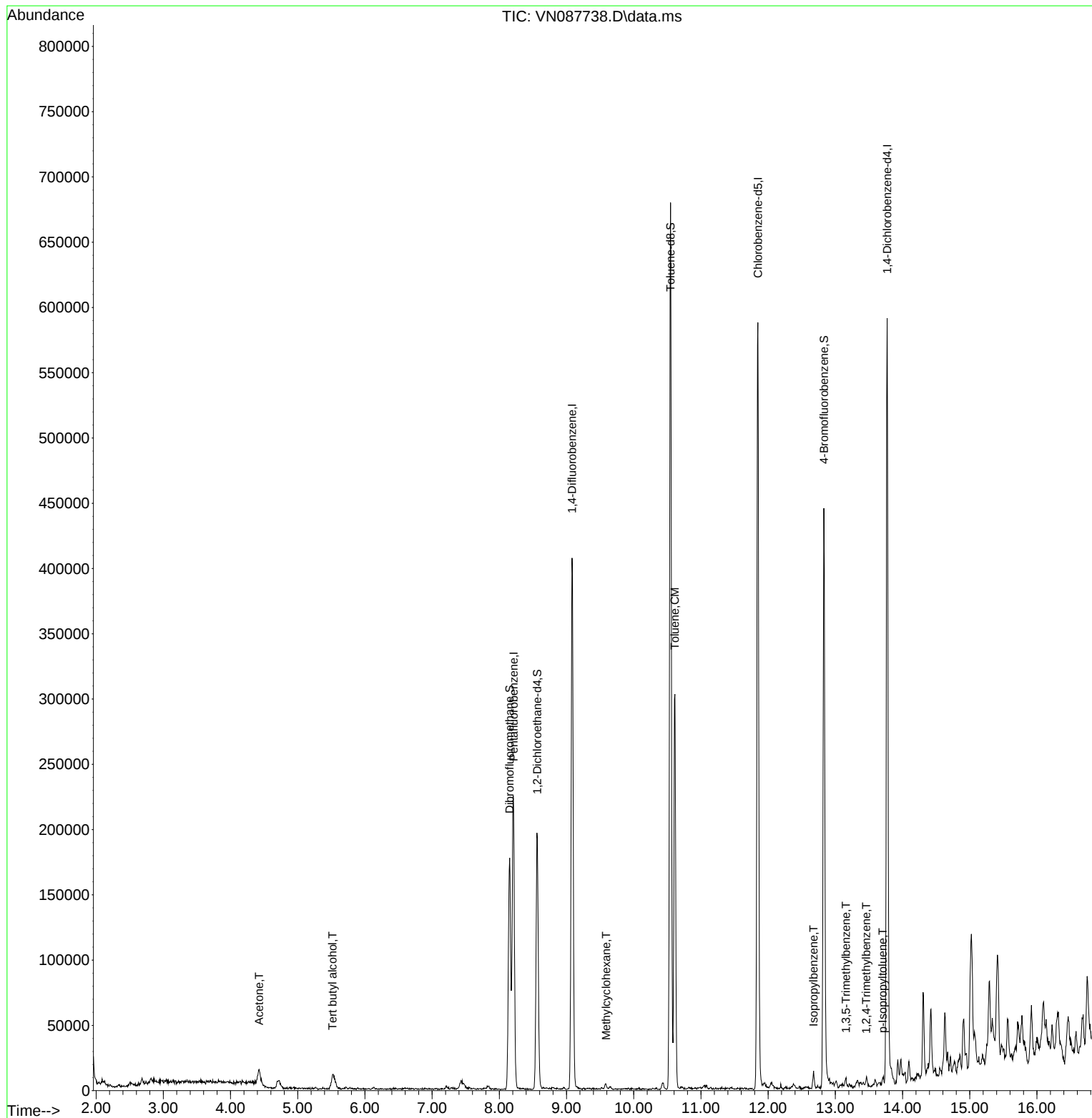
Internal Standards						
1) Pentafluorobenzene	8.212	168	150277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	342426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	323391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	148446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	159041	51.653	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.300%	
35) Dibromofluoromethane	8.153	113	127805	51.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.380%	
50) Toluene-d8	10.547	98	451224	48.763	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.520%	
62) 4-Bromofluorobenzene	12.829	95	150711	45.798	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	21559	40.333	ug/l #	71
16) Acetone	4.424	43	18939	11.299	ug/l	99
39) Methylcyclohexane	9.588	83	1455	0.348	ug/l #	84
52) Toluene	10.612	92	127320	17.654	ug/l	96
73) Isopropylbenzene	12.676	105	8449	0.704	ug/l	97
80) 1,3,5-Trimethylbenzene	13.159	105	2600	0.256	ug/l	90
84) 1,2,4-Trimethylbenzene	13.459	105	4318	0.424	ug/l	86
86) p-Isopropyltoluene	13.706	119	3561	0.343	ug/l	87

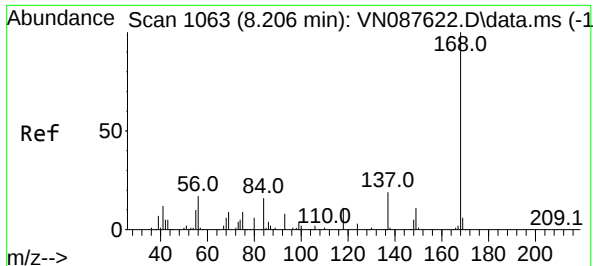
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

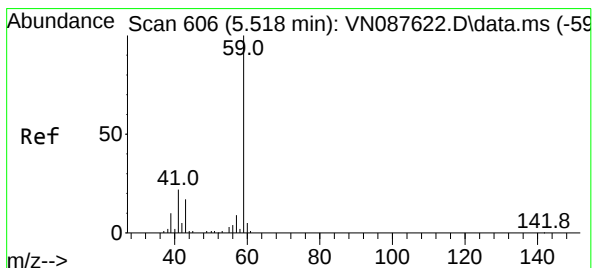
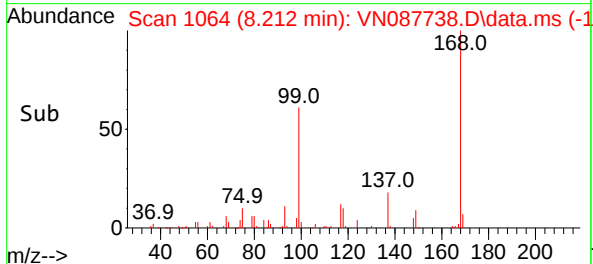
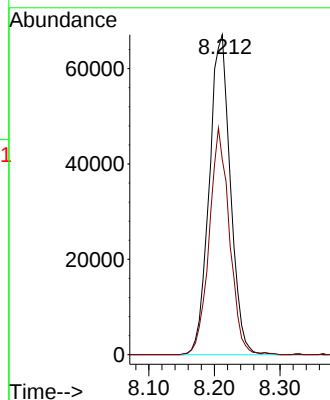
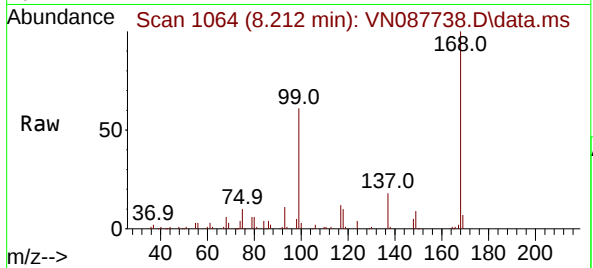




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

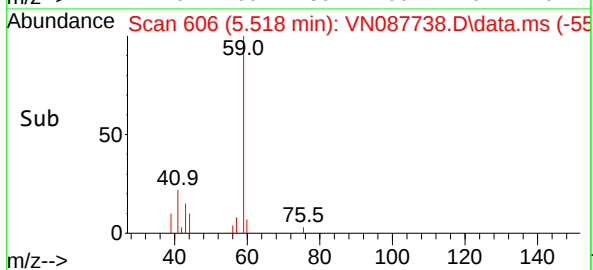
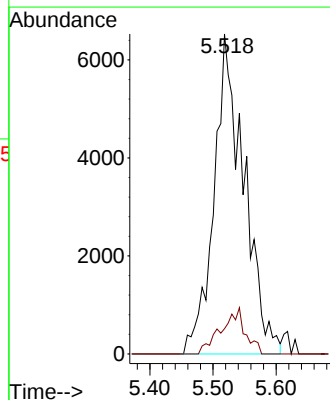
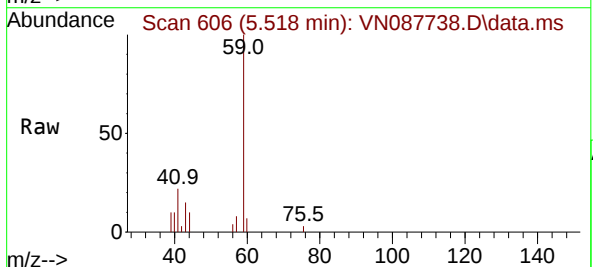
Instrument :
MSVOA_N
ClientSampleId :
1413

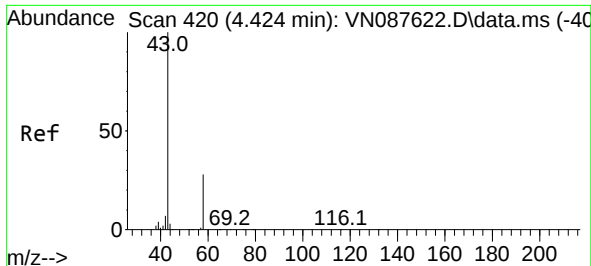
Tgt Ion:168 Resp: 150277
Ion Ratio Lower Upper
168 100
99 61.0 57.2 85.8



#11
Tert butyl alcohol
Concen: 40.333 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

Tgt Ion: 59 Resp: 21559
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

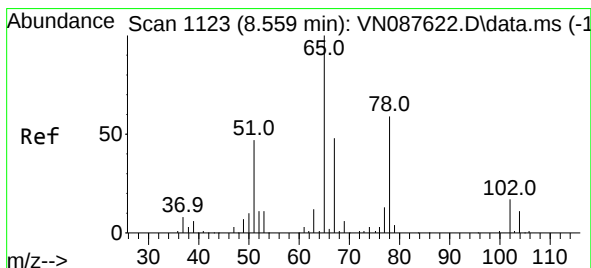
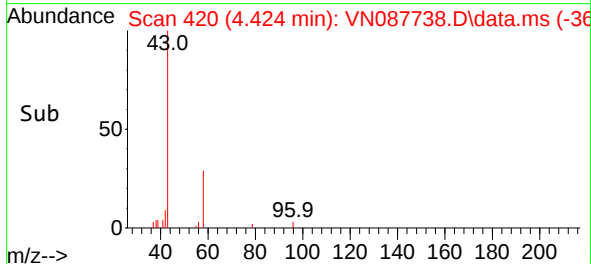
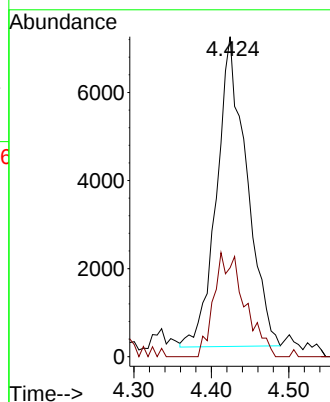
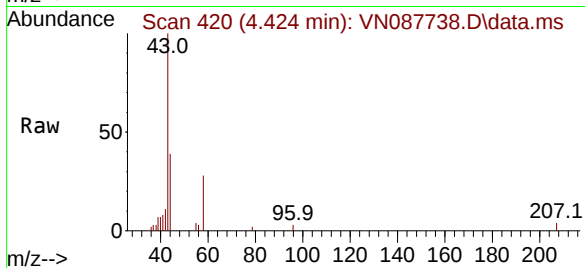




#16
Acetone
Concen: 11.299 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

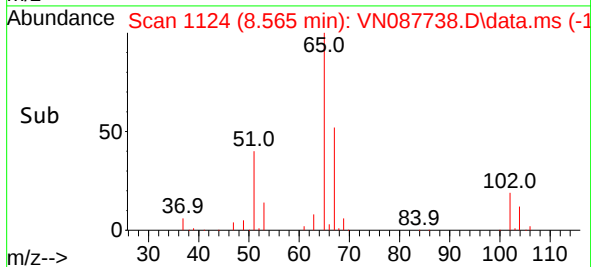
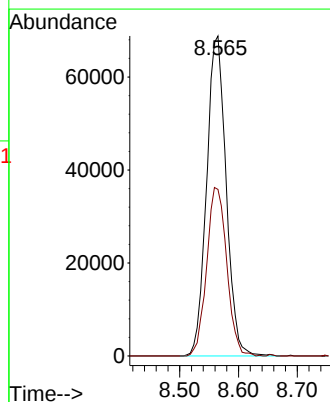
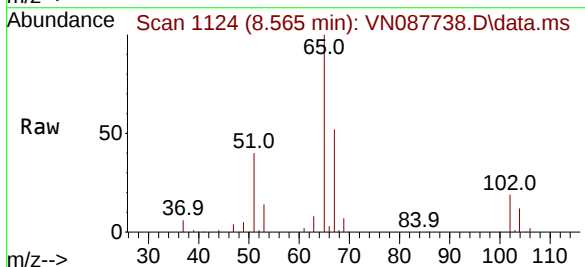
Instrument :
MSVOA_N
ClientSampleId :
1413

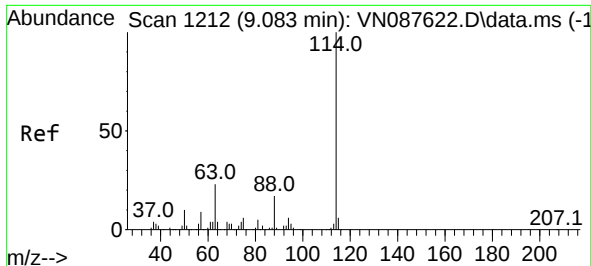
Tgt Ion: 43 Resp: 18939
Ion Ratio Lower Upper
43 100
58 28.8 22.6 33.8



#33
1,2-Dichloroethane-d4
Concen: 51.653 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

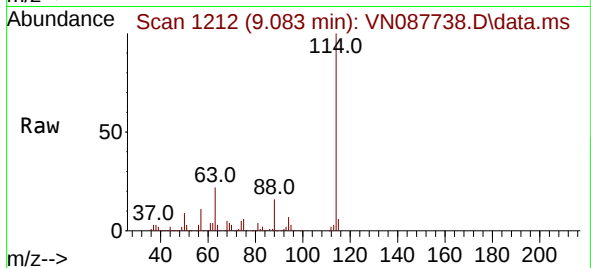
Tgt Ion: 65 Resp: 159041
Ion Ratio Lower Upper
65 100
67 54.1 0.0 100.0



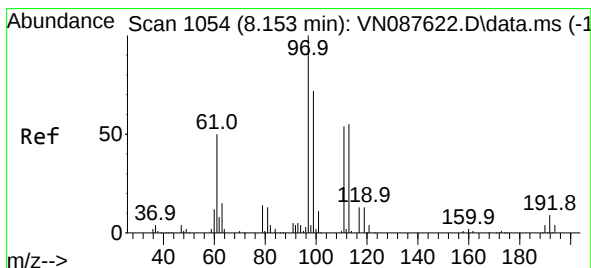
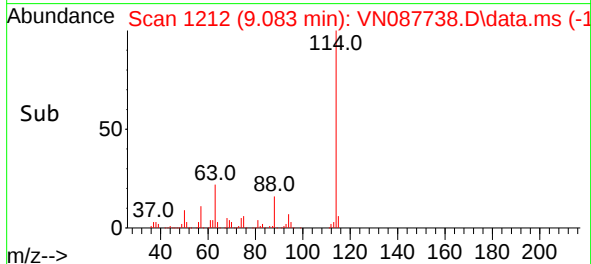
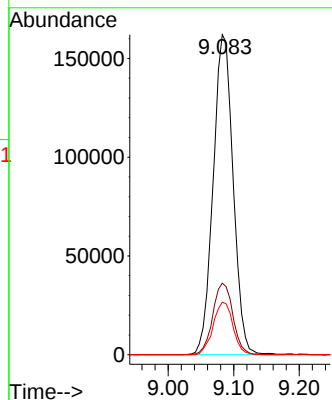


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :
1413

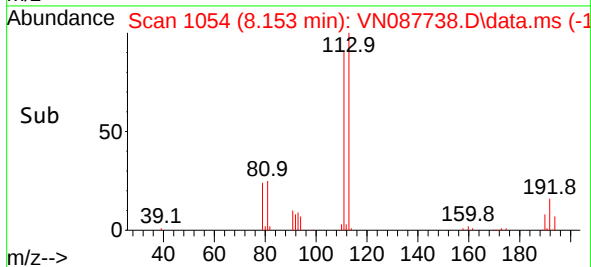
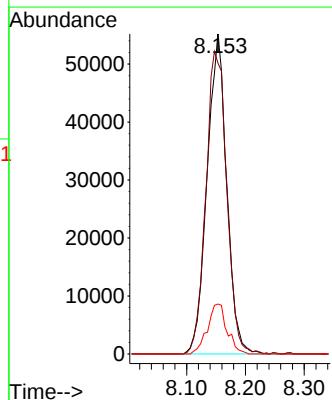
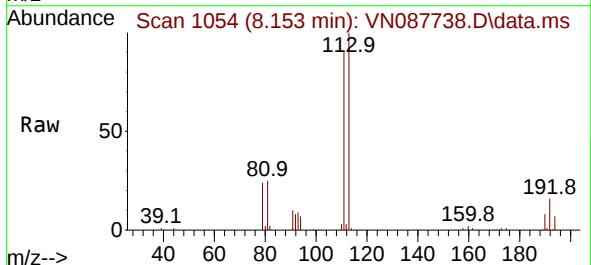


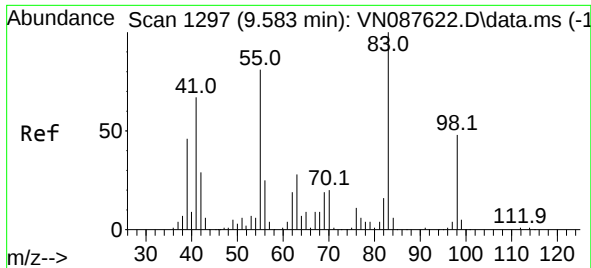
Tgt Ion:114 Resp: 342426
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.2
88 16.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 51.695 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

Tgt Ion:113 Resp: 127805
Ion Ratio Lower Upper
113 100
111 100.6 82.8 124.2
192 15.6 12.8 19.2





#39

Methylcyclohexane

Concen: 0.348 ug/l

RT: 9.588 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087738.D

Acq: 05 Sep 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

1413

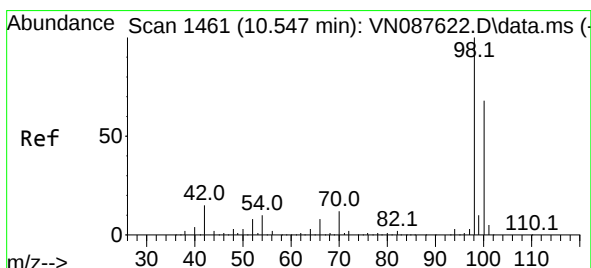
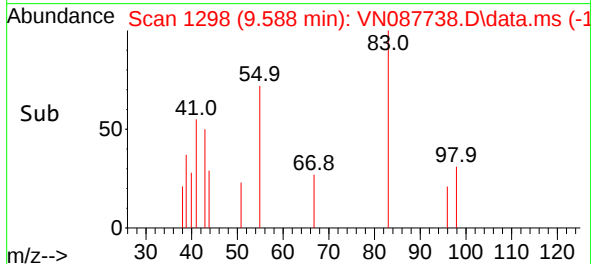
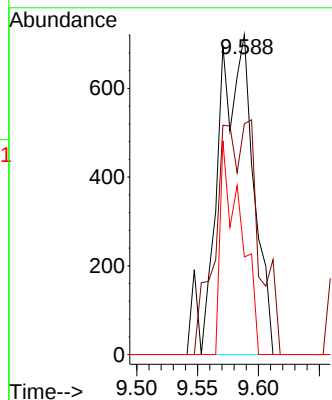
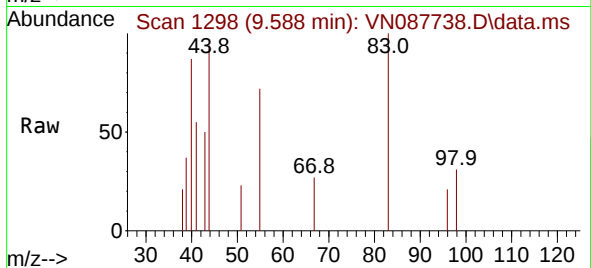
Tgt Ion: 83 Resp: 1455

Ion Ratio Lower Upper

83 100

55 72.1 64.6 96.8

98 30.5 38.4 57.6#



#50

Toluene-d8

Concen: 48.763 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087738.D

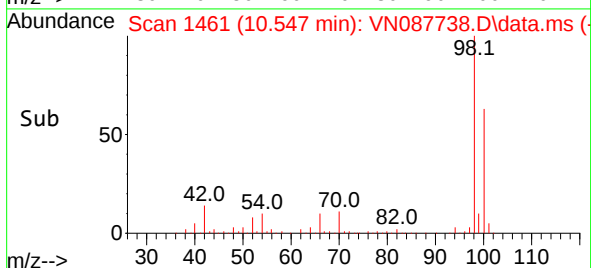
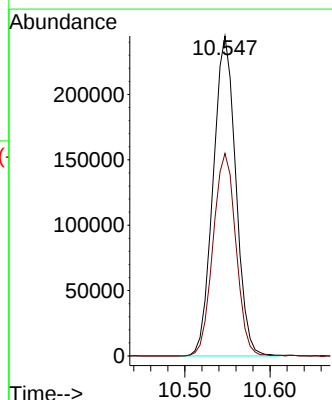
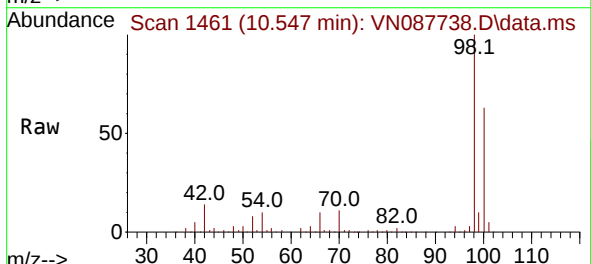
Acq: 05 Sep 2025 13:39

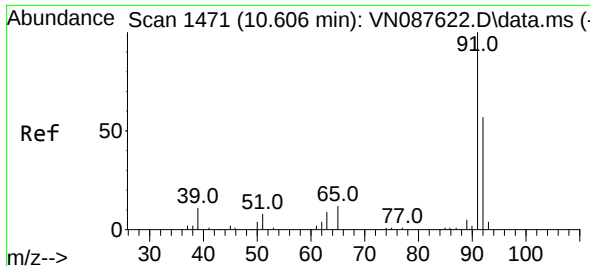
Tgt Ion: 98 Resp: 451224

Ion Ratio Lower Upper

98 100

100 63.9 52.8 79.2

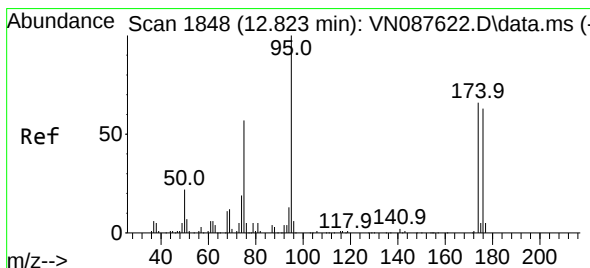
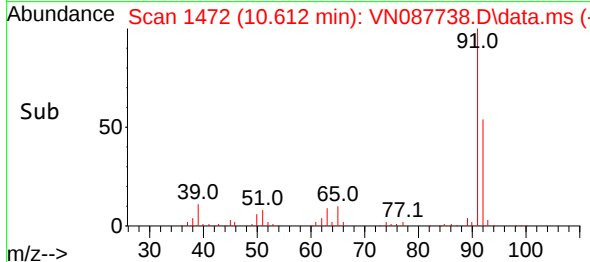
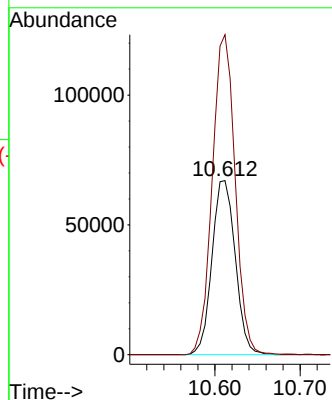
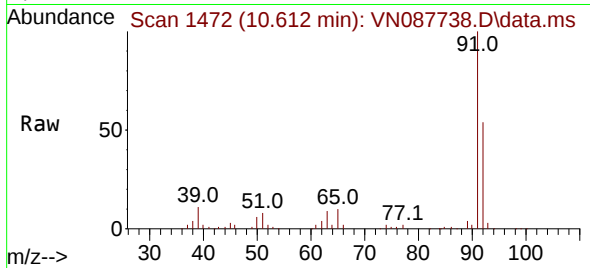




#52
Toluene
Concen: 17.654 ug/l
RT: 10.612 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

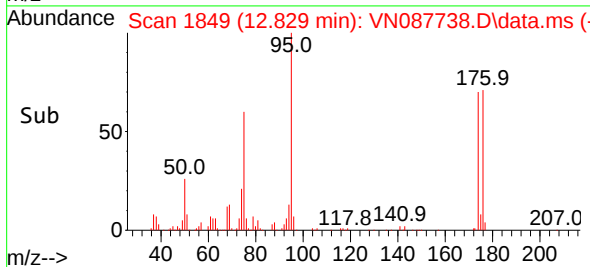
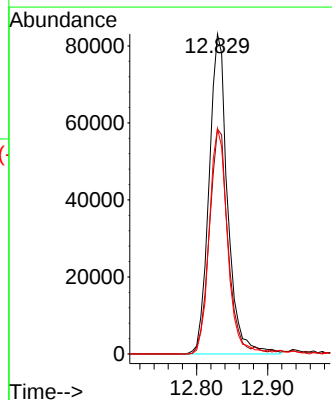
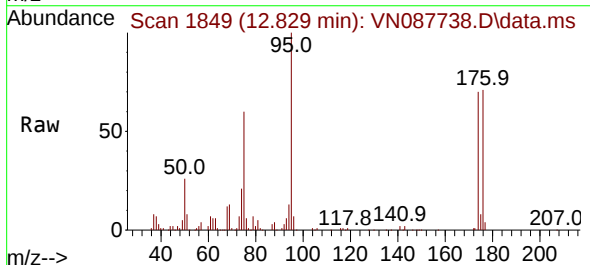
Instrument :
MSVOA_N
ClientSampleId :
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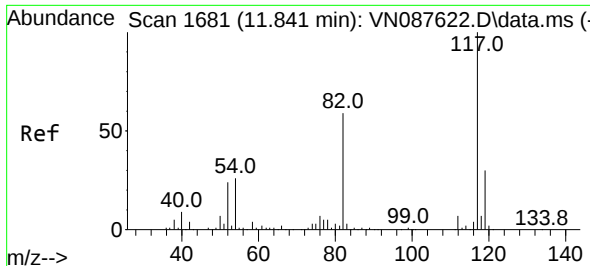
Tgt Ion: 92 Resp: 127320
Ion Ratio Lower Upper
92 100
91 180.7 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 45.798 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

Tgt Ion: 95 Resp: 150711
Ion Ratio Lower Upper
95 100
174 71.0 0.0 138.4
176 69.5 0.0 132.6

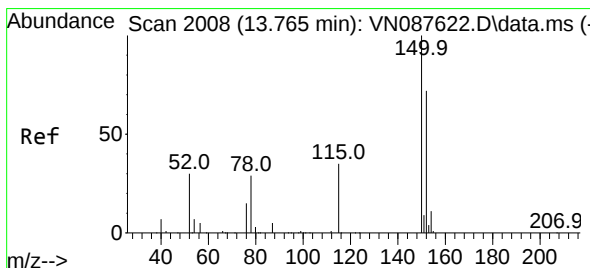
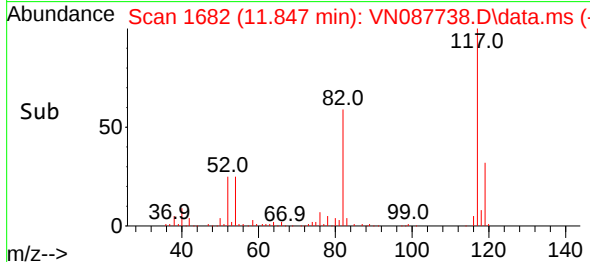
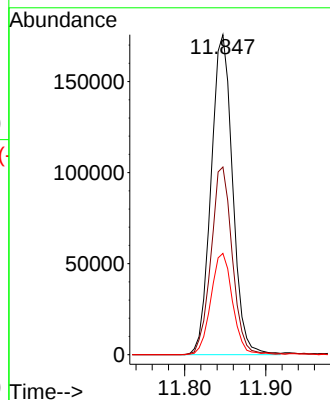
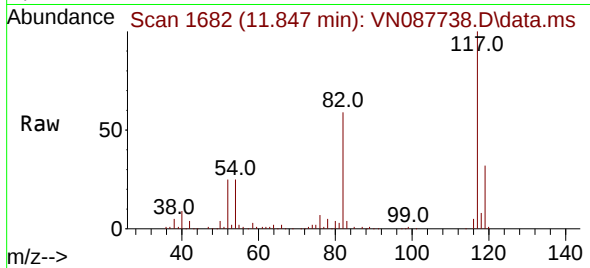




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

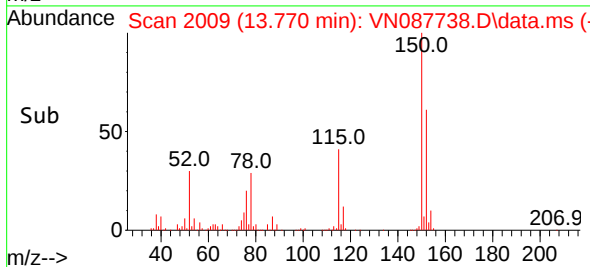
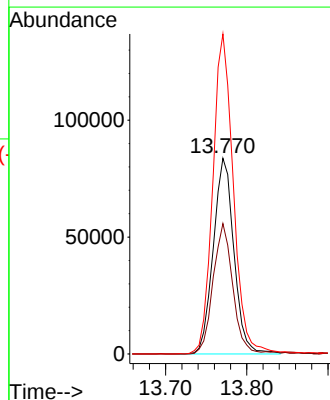
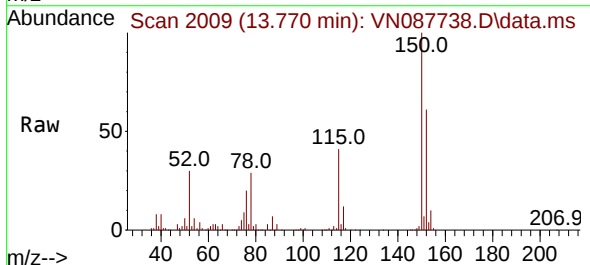
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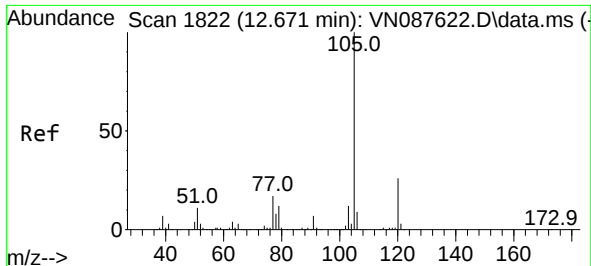
Tgt Ion:117 Resp: 323391
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

Tgt Ion:152 Resp: 148446
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 163.7 0.0 351.0

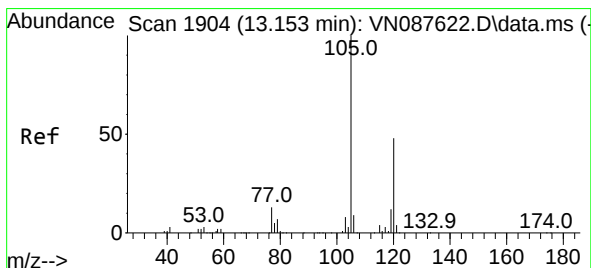
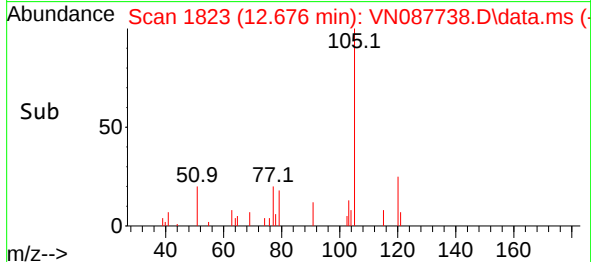
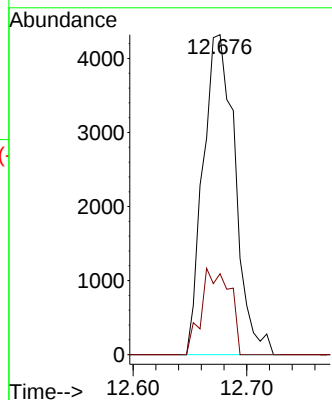
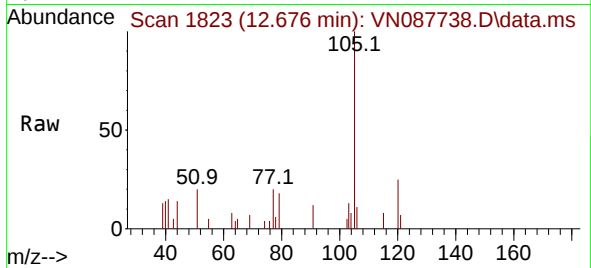




#73
Isopropylbenzene
Concen: 0.704 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

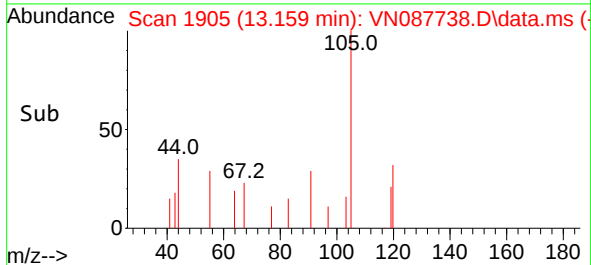
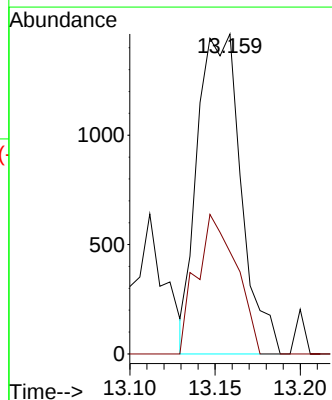
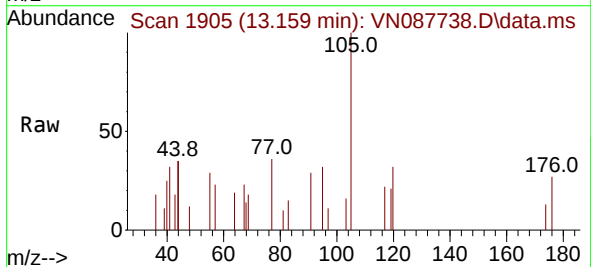
Instrument :
MSVOA_N
ClientSampleId :
1413

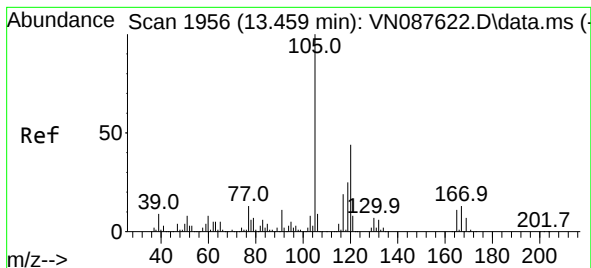
Tgt Ion:105 Resp: 8449
Ion Ratio Lower Upper
105 100
120 24.2 12.8 38.3



#80
1,3,5-Trimethylbenzene
Concen: 0.256 ug/l
RT: 13.159 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VN087738.D
Acq: 05 Sep 2025 13:39

Tgt Ion:105 Resp: 2600
Ion Ratio Lower Upper
105 100
120 39.9 23.2 69.6





#84

1,2,4-Trimethylbenzene

Concen: 0.424 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN087738.D

Acq: 05 Sep 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

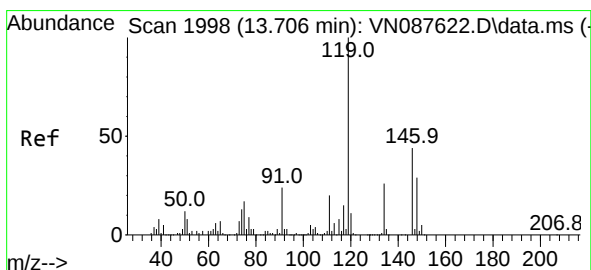
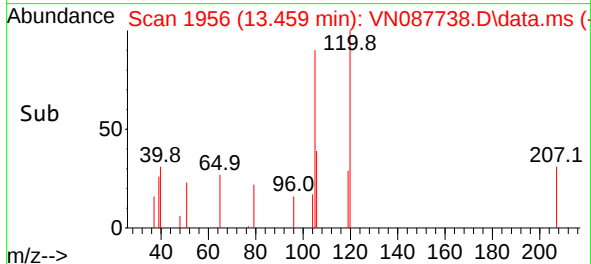
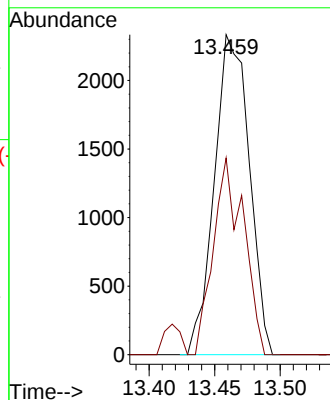
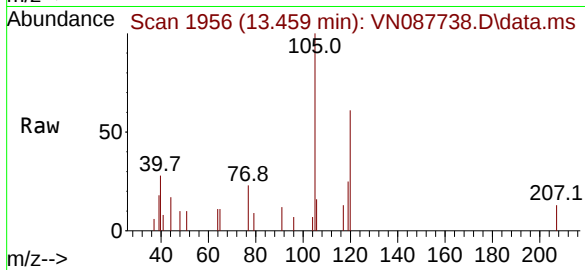
1413

Tgt Ion:105 Resp: 4318

Ion Ratio Lower Upper

105 100

120 53.3 22.0 66.0



#86

p-Isopropyltoluene

Concen: 0.343 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN087738.D

Acq: 05 Sep 2025 13:39

Tgt Ion:119 Resp: 3561

Ion Ratio Lower Upper

119 100

134 21.8 12.7 38.0

91 15.7 12.5 37.5

