

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087386.D
 Acq On : 21 Jul 2025 17:29
 Operator : JC\MD
 Sample : Q2664-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GDW3

Quant Time: Jul 22 03:11:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

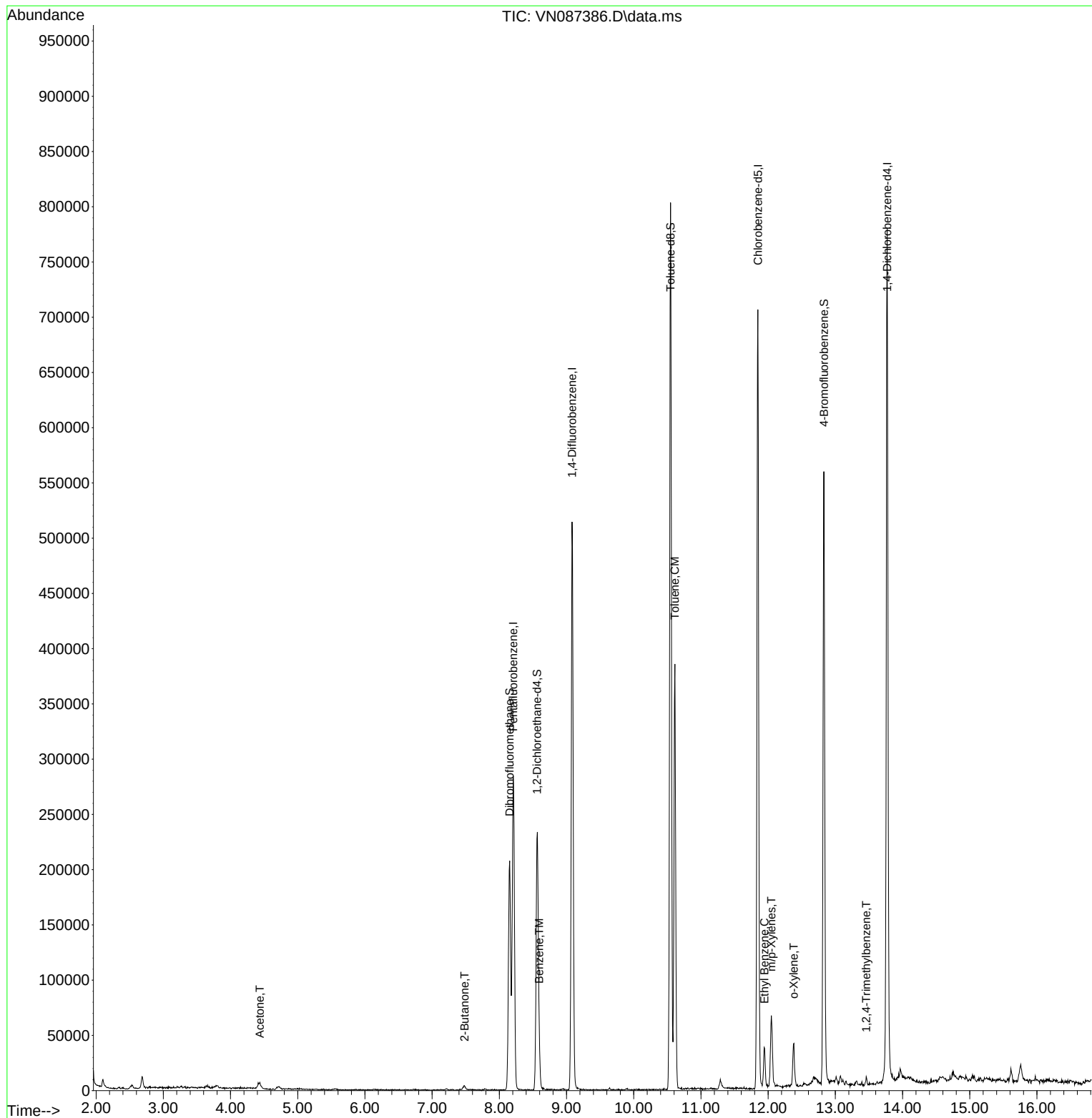
Internal Standards						
1) Pentafluorobenzene	8.206	168	203374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	426252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	398998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	197398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193801	56.161	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.320%
35) Dibromofluoromethane	8.154	113	146796	49.926	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.860%
50) Toluene-d8	10.547	98	539733	51.460	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.920%
62) 4-Bromofluorobenzene	12.830	95	195684	50.500	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.000%
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	10329	6.384	ug/l	100
25) 2-Butanone	7.483	43	7512	3.005	ug/l #	88
40) Benzene	8.595	78	25936	2.066	ug/l	92
52) Toluene	10.612	92	160814	21.073	ug/l	95
67) Ethyl Benzene	11.947	91	26150	1.773	ug/l	100
68) m/p-Xylenes	12.047	106	20628	3.736	ug/l	98
69) o-Xylene	12.383	106	10584	2.007	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	4473	0.414	ug/l	96

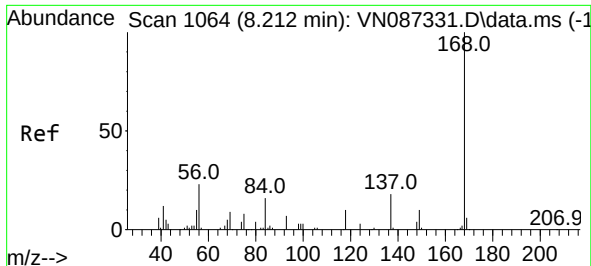
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087386.D
Acq On : 21 Jul 2025 17:29
Operator : JC\MD
Sample : Q2664-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GDW3

Quant Time: Jul 22 03:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

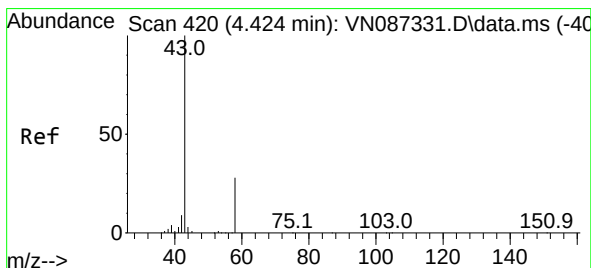
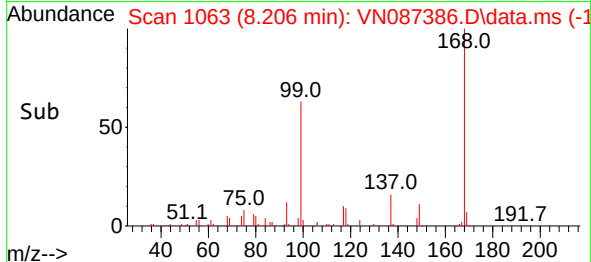
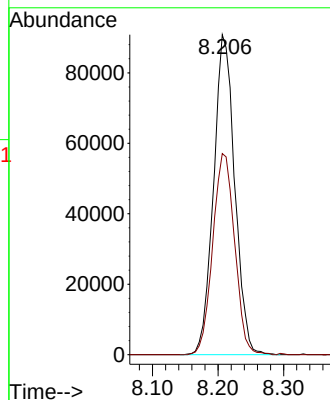
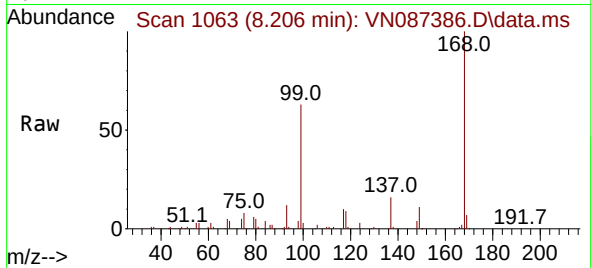




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

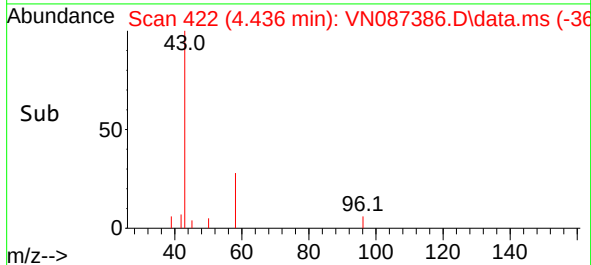
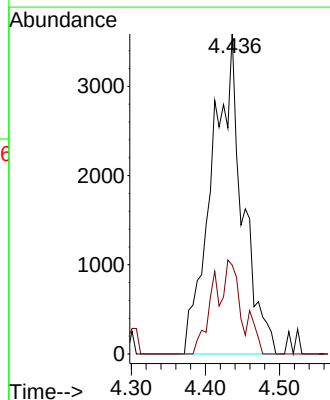
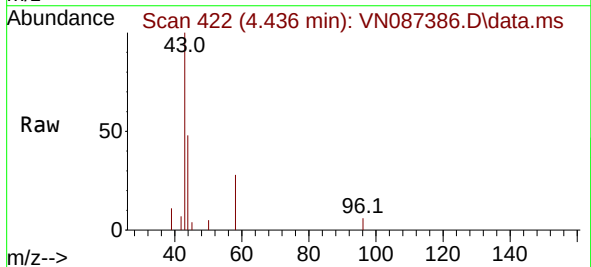
Instrument :
MSVOA_N
ClientSampleId :
GDW3

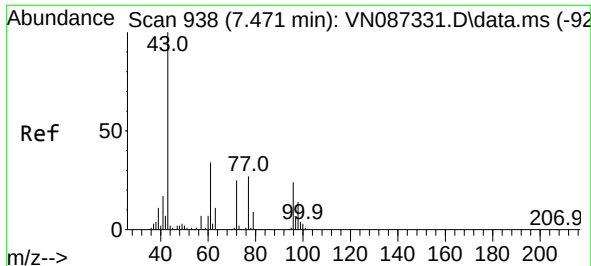
Tgt Ion:168 Resp: 203374
Ion Ratio Lower Upper
168 100
99 62.9 47.9 71.9



#16
Acetone
Concen: 6.384 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 43 Resp: 10329
Ion Ratio Lower Upper
43 100
58 27.8 22.3 33.5

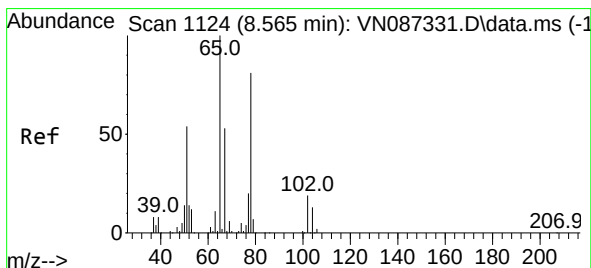
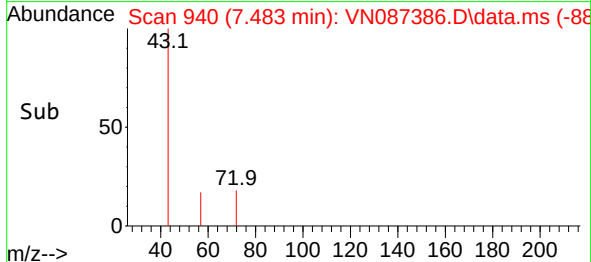
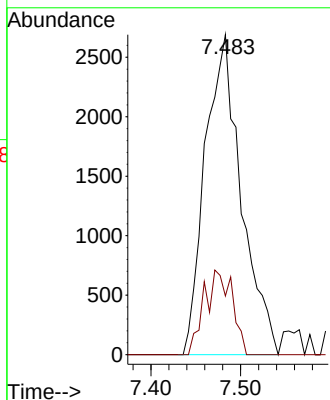
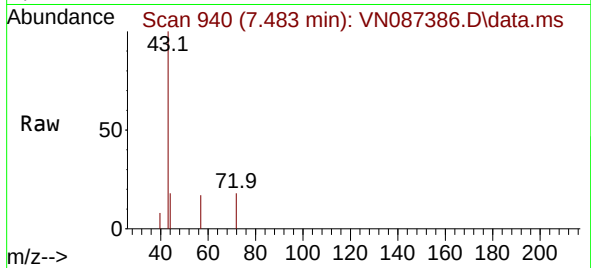




#25
2-Butanone
Concen: 3.005 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

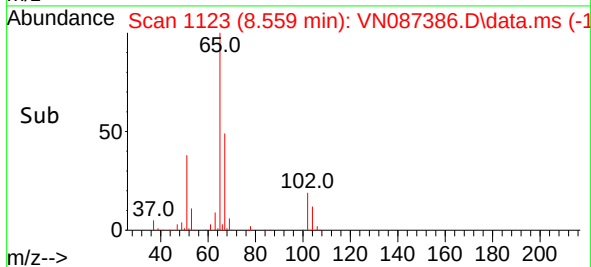
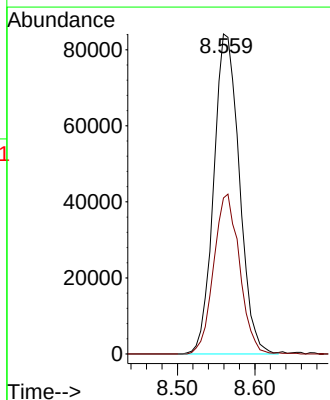
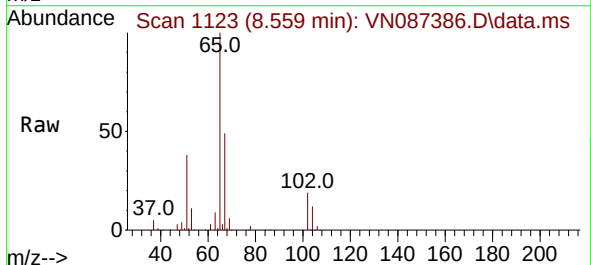
Instrument :
MSVOA_N
ClientSampleId :
GDW3

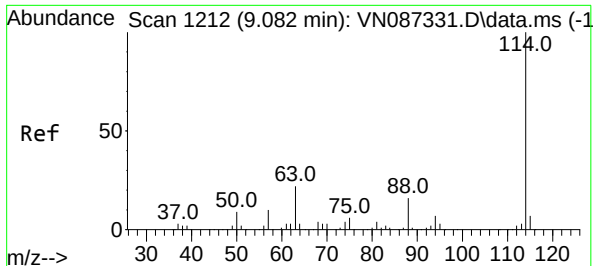
Tgt Ion: 43 Resp: 7512
Ion Ratio Lower Upper
43 100
72 18.4 19.6 29.4#



#33
1,2-Dichloroethane-d4
Concen: 56.161 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.005 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 65 Resp: 193801
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 114

Delta R.T. 0.001 min

Lab File: VN087386.D

Acq: 21 Jul 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

GDW3

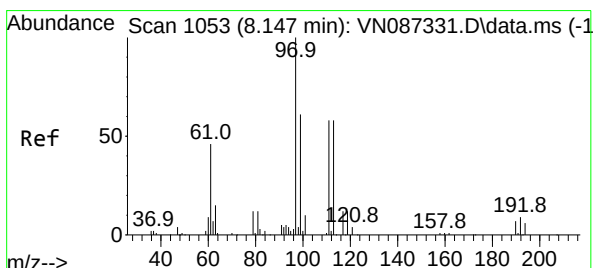
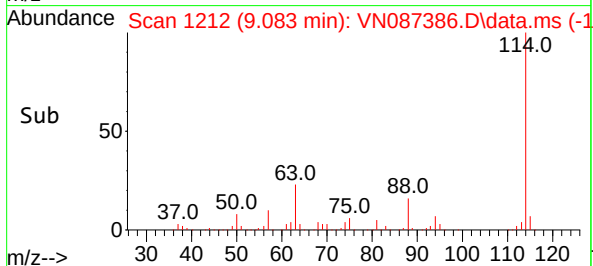
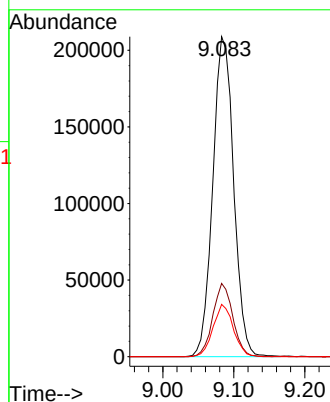
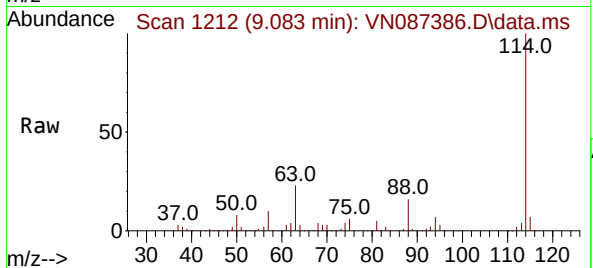
Tgt Ion:114 Resp: 426252

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.6

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.926 ug/l

RT: 8.154 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087386.D

Acq: 21 Jul 2025 17:29

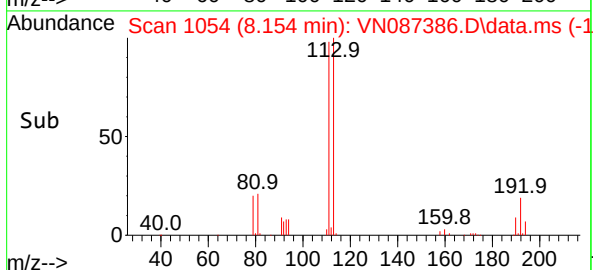
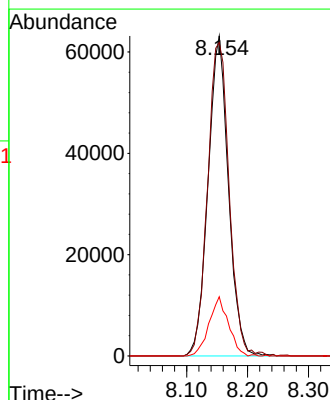
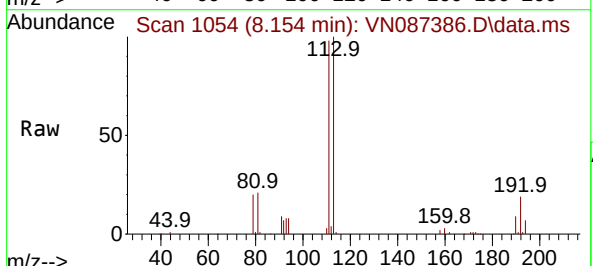
Tgt Ion:113 Resp: 146796

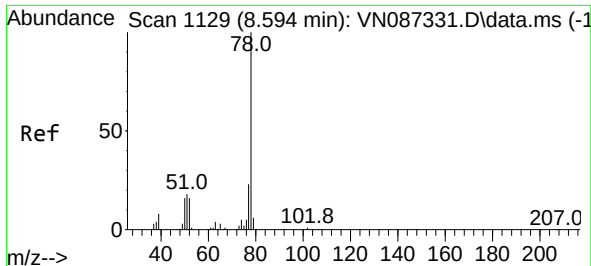
Ion Ratio Lower Upper

113 100

111 103.6 82.5 123.7

192 17.7 13.7 20.5

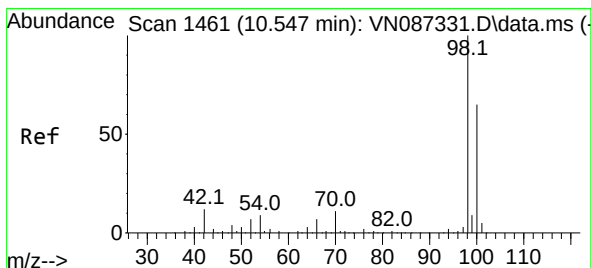
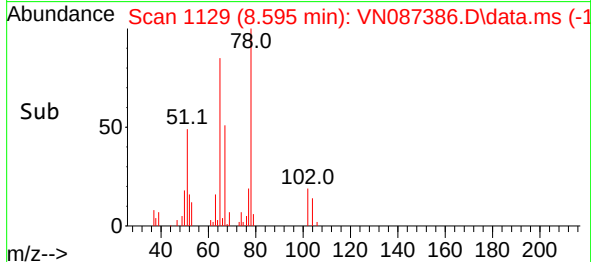
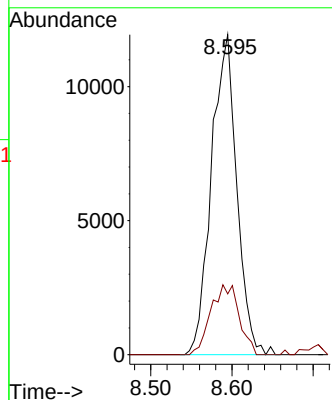
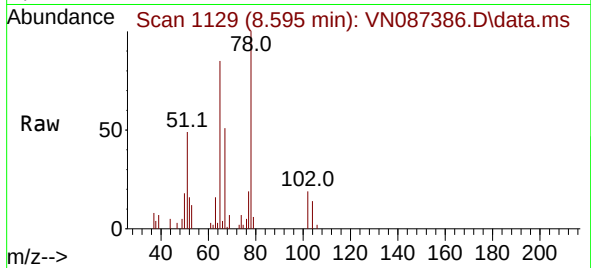




#40
Benzene
Concen: 2.066 ug/l
RT: 8.595 min Scan# 1129
Delta R.T. 0.001 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

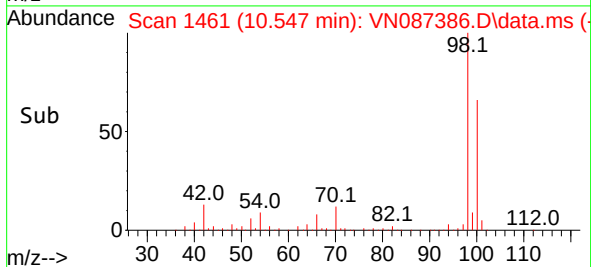
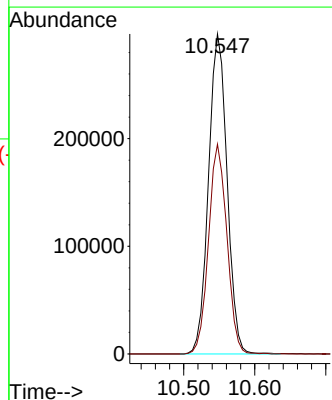
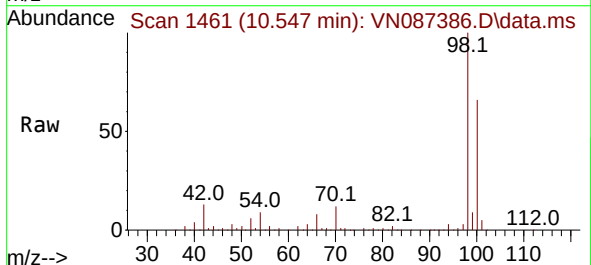
Instrument :
MSVOA_N
ClientSampleId :
GDW3

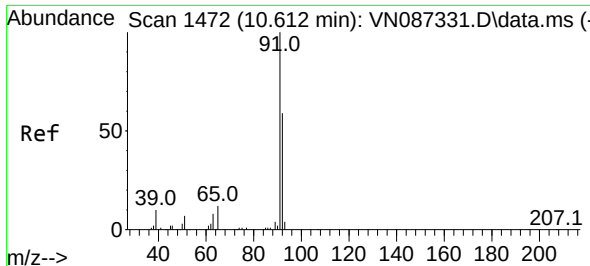
Tgt Ion: 78 Resp: 25936
Ion Ratio Lower Upper
78 100
77 19.0 18.2 27.2



#50
Toluene-d8
Concen: 51.460 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 98 Resp: 539733
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

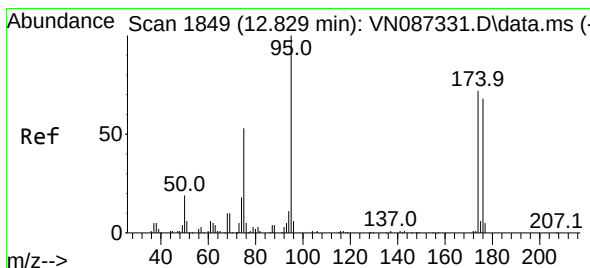
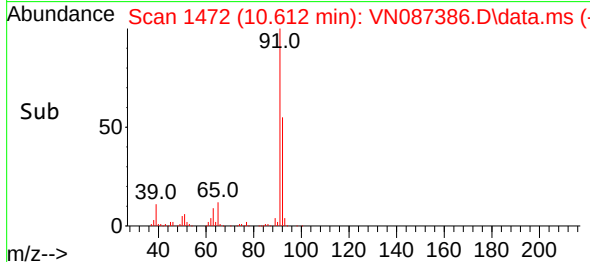
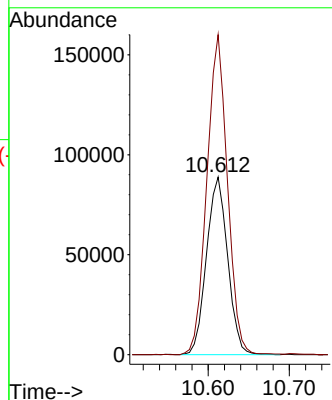
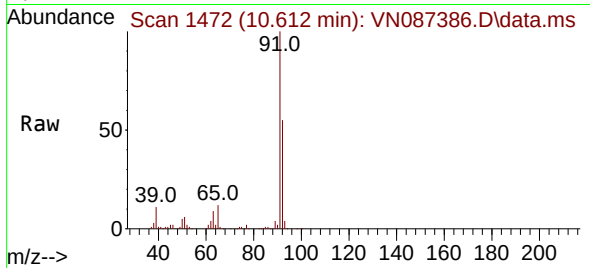




#52
Toluene
Concen: 21.073 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

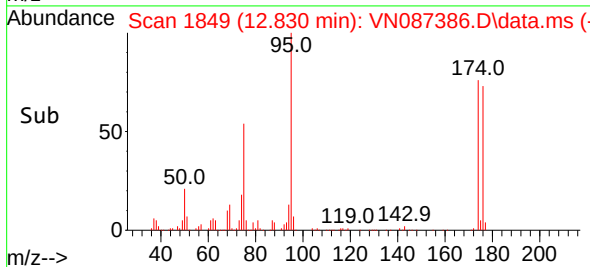
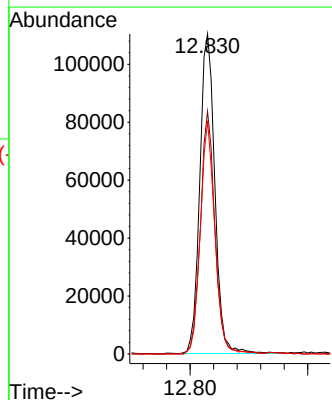
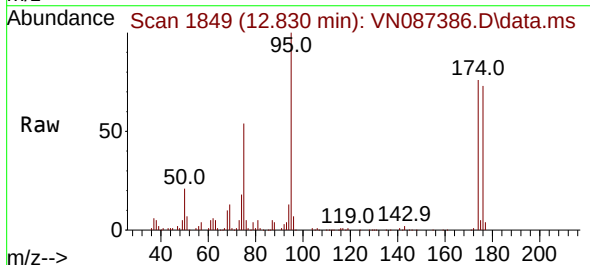
Instrument :
MSVOA_N
ClientSampleId :
GDW3

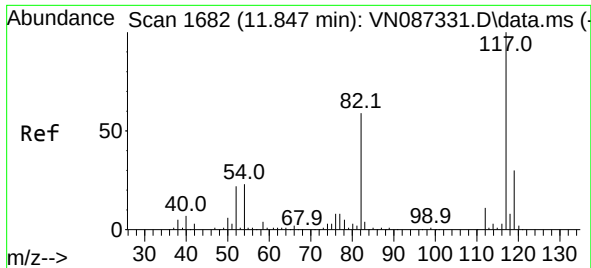
Tgt Ion: 92 Resp: 160814
Ion Ratio Lower Upper
92 100
91 175.2 135.1 202.7



#62
4-Bromofluorobenzene
Concen: 50.500 ug/l
RT: 12.830 min Scan# 1849
Delta R.T. 0.001 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 95 Resp: 195684
Ion Ratio Lower Upper
95 100
174 73.4 0.0 149.4
176 70.0 0.0 141.2

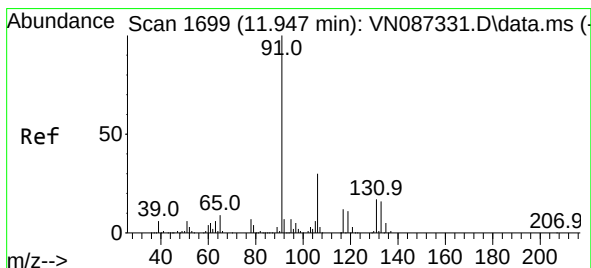
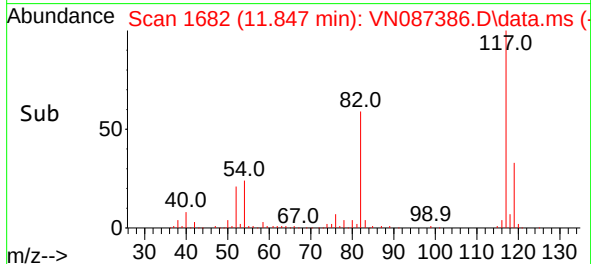
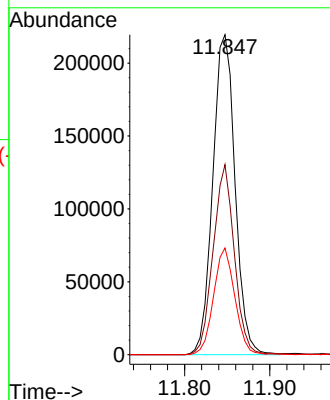
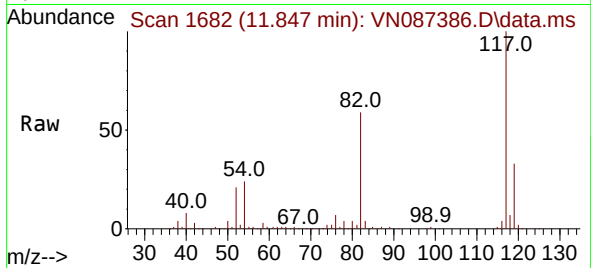




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

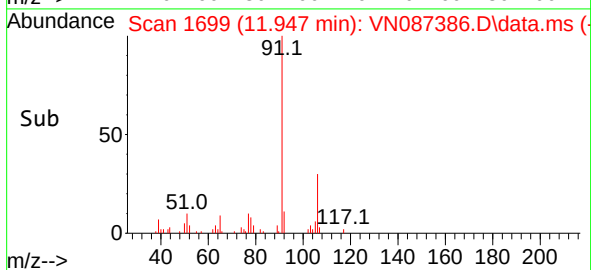
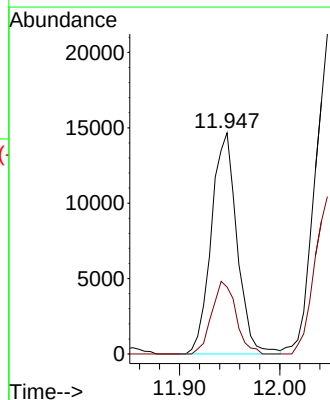
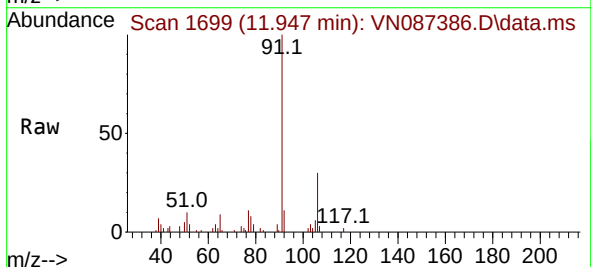
Instrument :
MSVOA_N
ClientSampleId :
GDW3

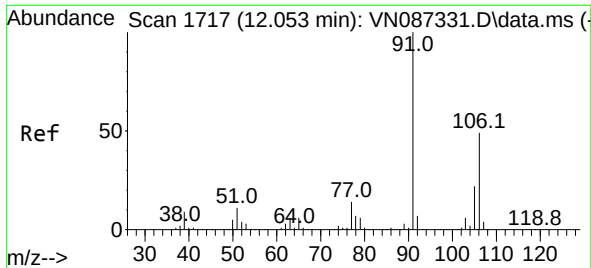
Tgt Ion:117 Resp: 398998
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 33.4 23.8 35.8



#67
Ethyl Benzene
Concen: 1.773 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion: 91 Resp: 26150
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

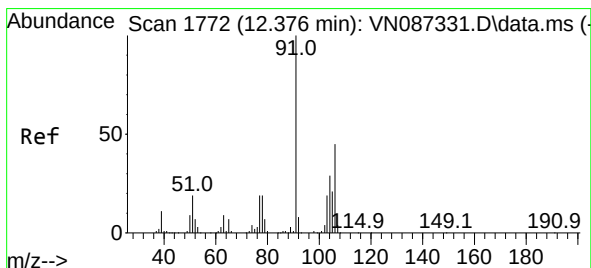
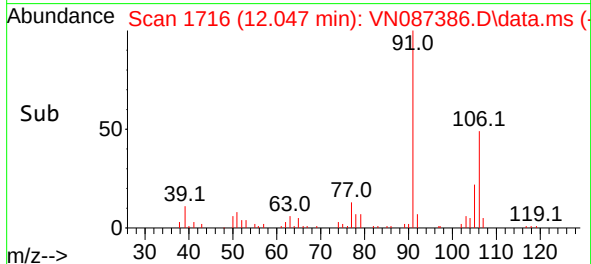
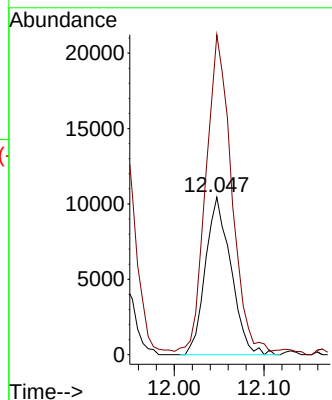
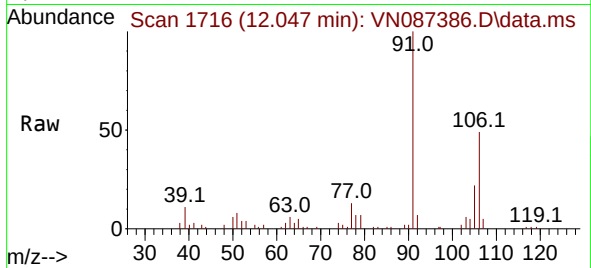




#68
m/p-Xylenes
Concen: 3.736 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.005 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

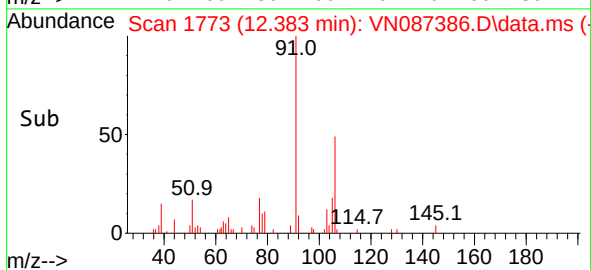
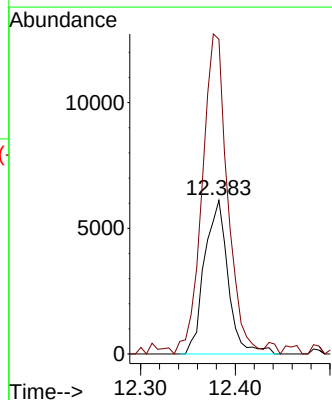
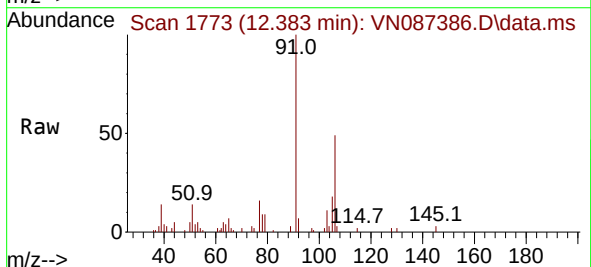
Instrument :
MSVOA_N
ClientSampleId :
GDW3

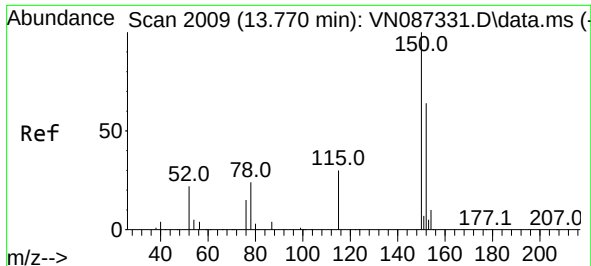
Tgt Ion:106 Resp: 20628
Ion Ratio Lower Upper
106 100
91 199.9 162.0 243.0



#69
o-Xylene
Concen: 2.007 ug/l
RT: 12.383 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VN087386.D
Acq: 21 Jul 2025 17:29

Tgt Ion:106 Resp: 10584
Ion Ratio Lower Upper
106 100
91 223.5 107.7 323.3

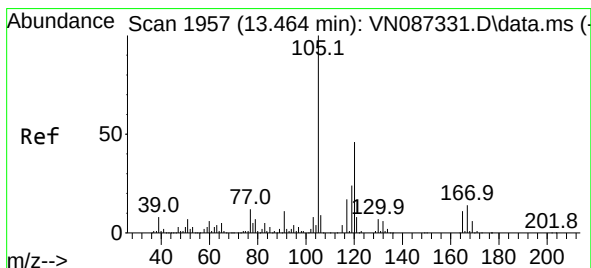
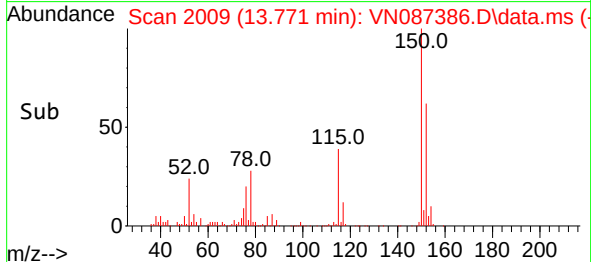
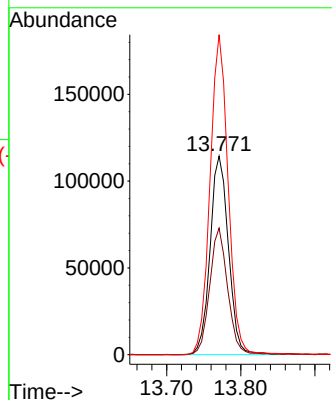
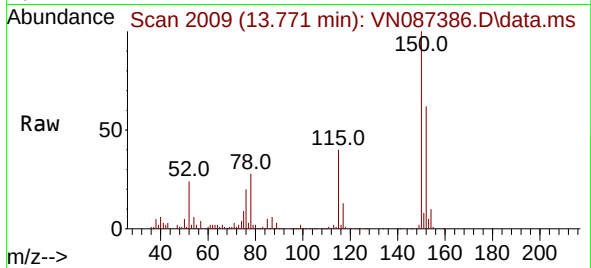




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.001 min
 Lab File: VN087386.D
 Acq: 21 Jul 2025 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 GDW3

Tgt Ion:152 Resp: 197398
 Ion Ratio Lower Upper
 152 100
 115 62.4 31.1 93.5
 150 158.8 0.0 349.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.414 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.005 min
 Lab File: VN087386.D
 Acq: 21 Jul 2025 17:29

Tgt Ion:105 Resp: 4473
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.8 68.3

