

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088186.D
 Acq On : 31 Oct 2025 14:21
 Operator : JC\MD
 Sample : Q3447-07
 Misc : 3.22g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW4-251023-01

Quant Time: Nov 01 00:33:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

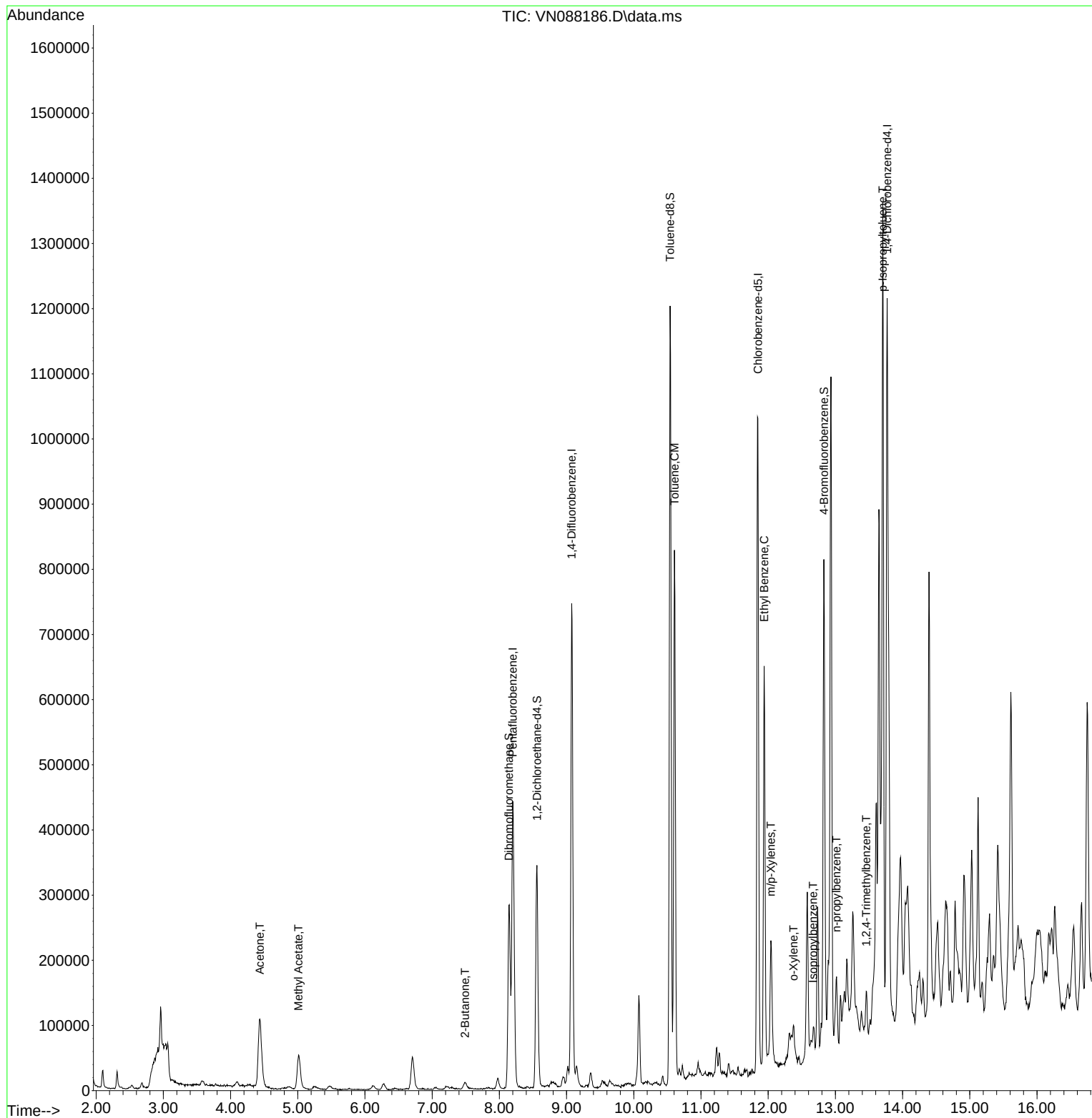
Internal Standards						
1) Pentafluorobenzene	8.200	168	273190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	616897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	566365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	278512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	289955	61.379	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.760%	
35) Dibromofluoromethane	8.141	113	206260	49.769	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.540%	
50) Toluene-d8	10.541	98	797025	49.911	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.820%	
62) 4-Bromofluorobenzene	12.829	95	288155	51.095	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.180%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	232348	97.901	ug/l	99
18) Methyl Acetate	5.012	43	118600	24.410	ug/l	100
25) 2-Butanone	7.489	43	21823	6.977	ug/l	96
52) Toluene	10.606	92	347408	30.576	ug/l	98
67) Ethyl Benzene	11.941	91	467029	20.689	ug/l	99
68) m/p-Xylenes	12.041	106	47578	5.625	ug/l	92
69) o-Xylene	12.376	106	16907	2.109	ug/l	88
73) Isopropylbenzene	12.671	105	24632	1.147	ug/l	94
78) n-propylbenzene	13.018	91	50738	1.936	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	47676	2.671	ug/l	99
86) p-Isopropyltoluene	13.706	119	700814	37.311	ug/l	97

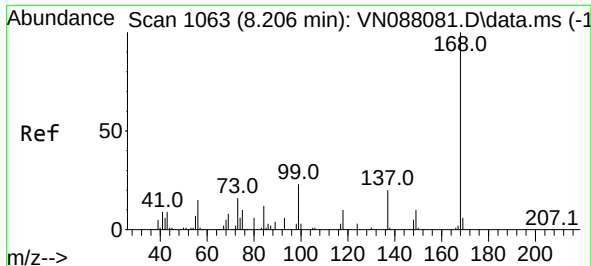
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P001-TW4-251023-01

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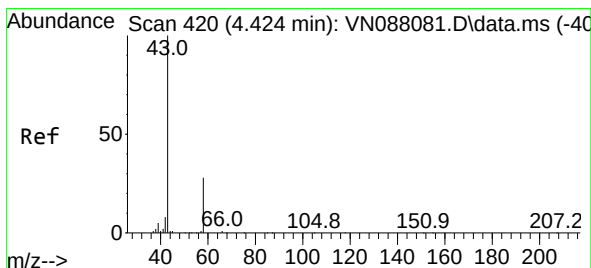
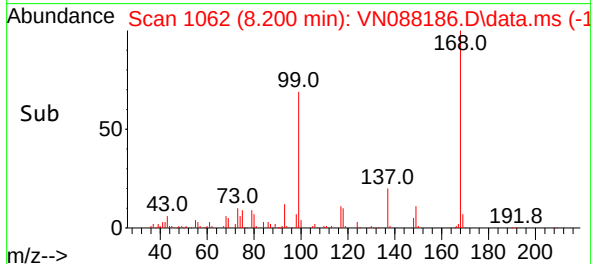
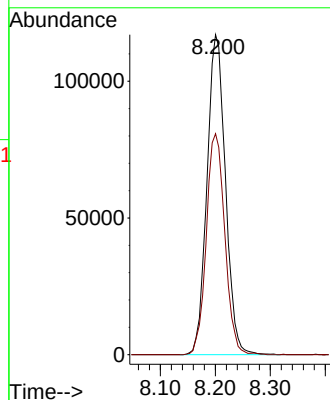
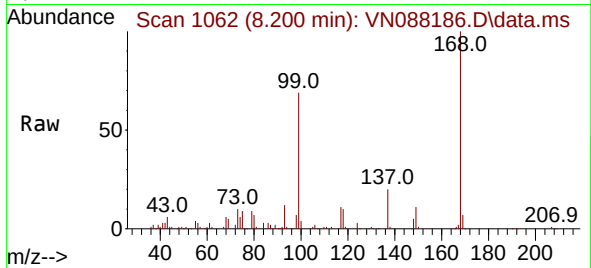




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

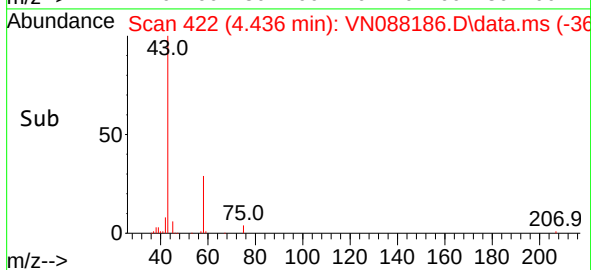
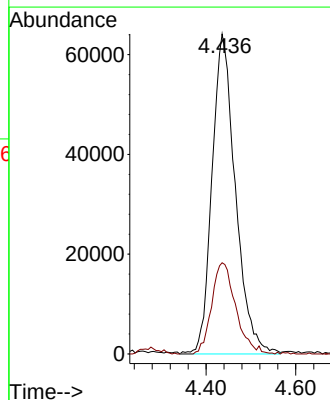
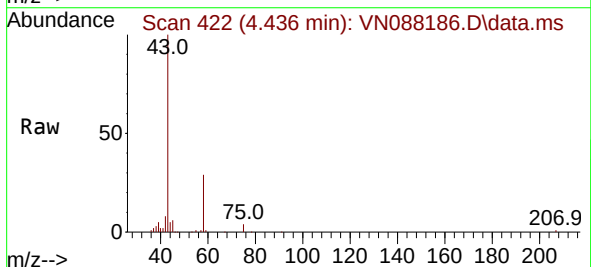
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

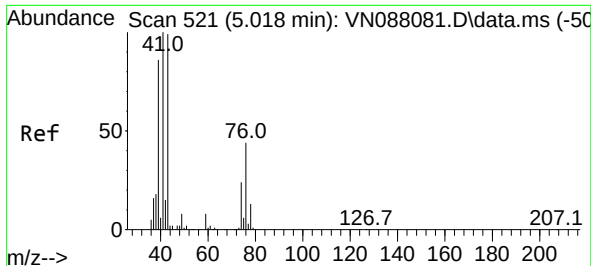
Tgt Ion:168 Resp: 273190
Ion Ratio Lower Upper
168 100
99 69.1 57.2 85.8



#16
Acetone
Concen: 97.901 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 43 Resp: 232348
Ion Ratio Lower Upper
43 100
58 28.5 22.6 33.8

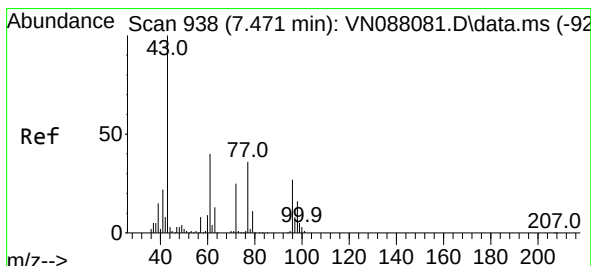
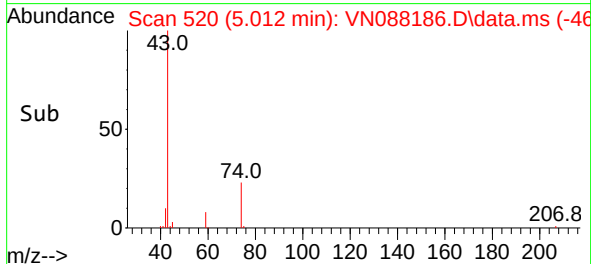
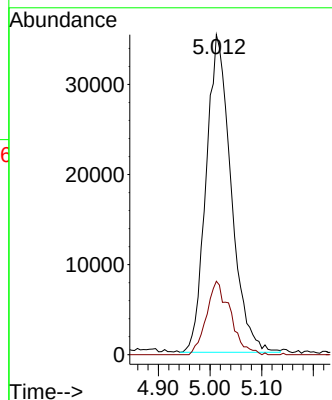
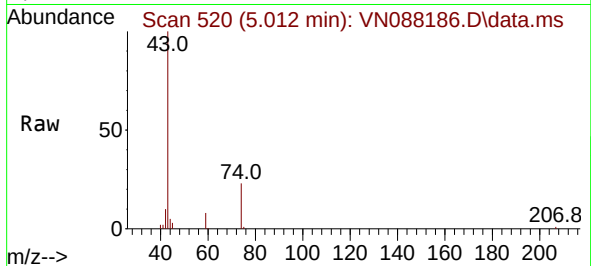




#18
Methyl Acetate
Concen: 24.410 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

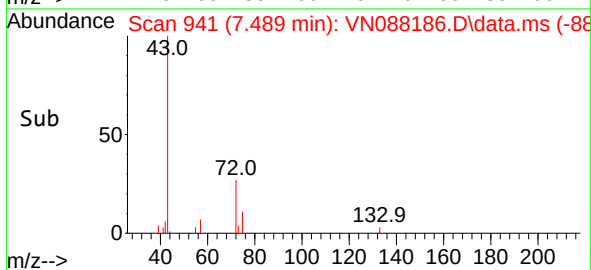
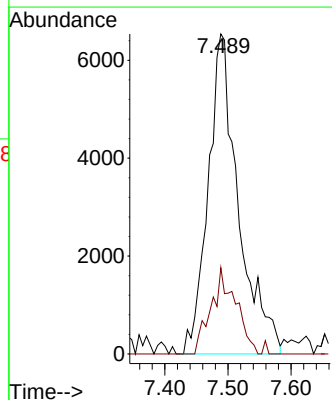
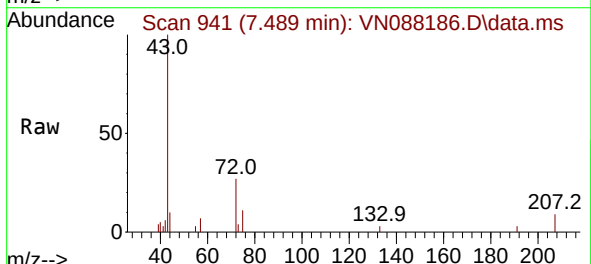
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

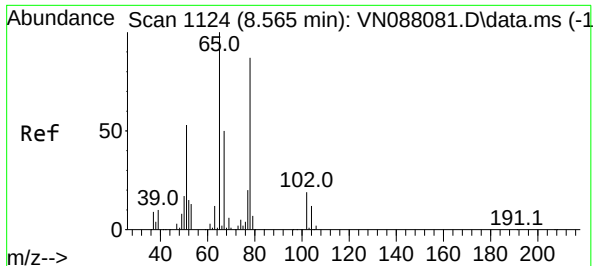
Tgt Ion: 43 Resp: 118600
Ion Ratio Lower Upper
43 100
74 22.2 17.6 26.4



#25
2-Butanone
Concen: 6.977 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.023 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 43 Resp: 21823
Ion Ratio Lower Upper
43 100
72 27.0 19.9 29.9

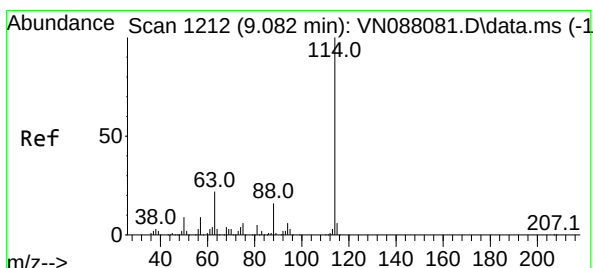
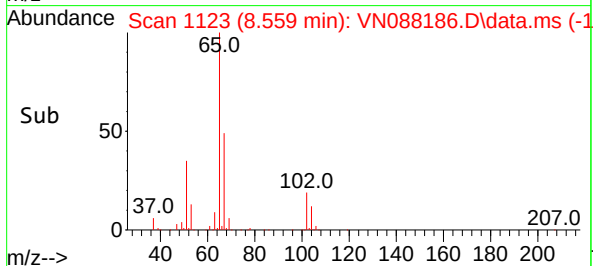
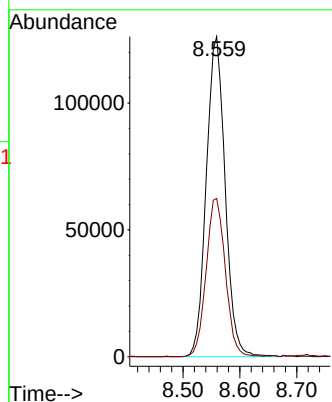
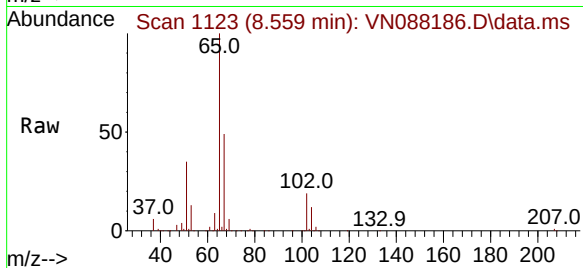




#33
1,2-Dichloroethane-d4
Concen: 61.379 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

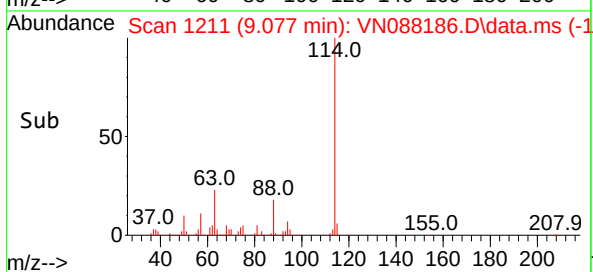
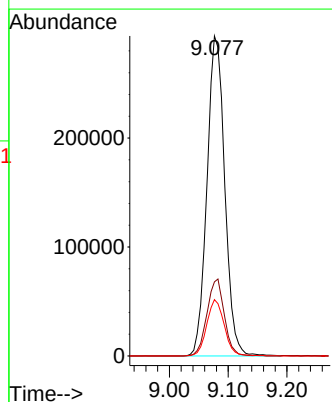
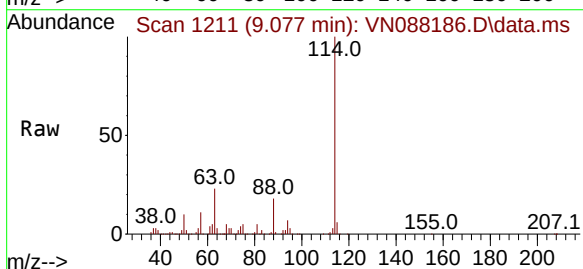
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

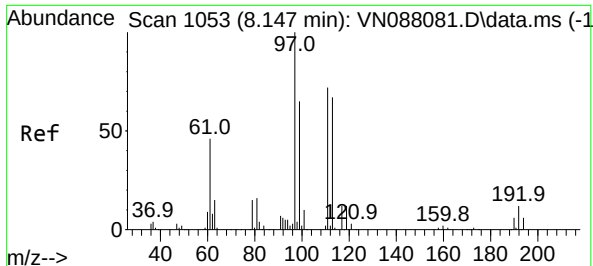
Tgt Ion: 65 Resp: 289955
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.077 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 114 Resp: 616897
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.2
88 17.6 0.0 33.4

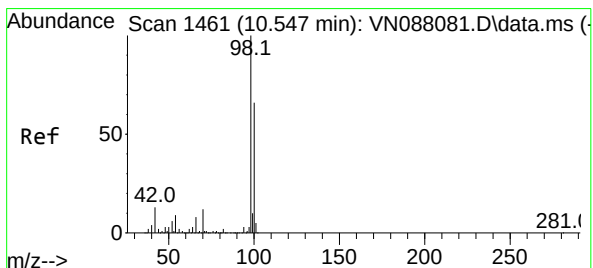
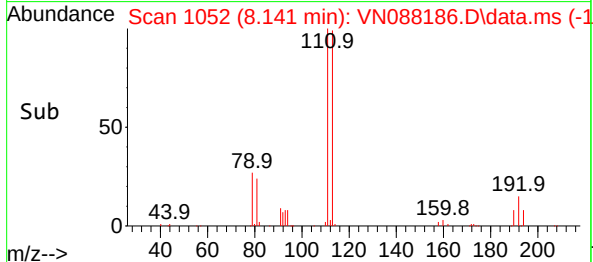
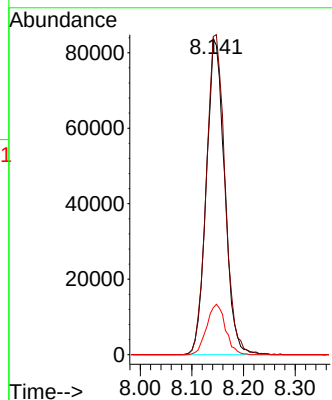
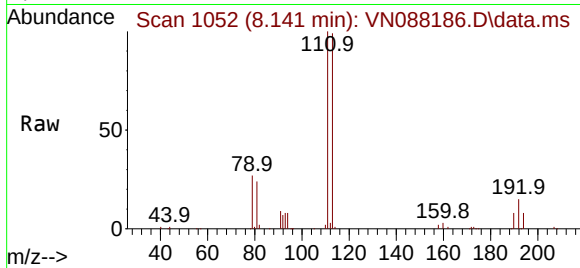




#35
Dibromofluoromethane
Concen: 49.769 ug/l
RT: 8.141 min Scan# 110
Delta R.T. -0.012 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

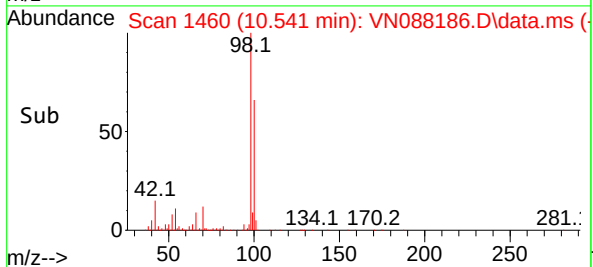
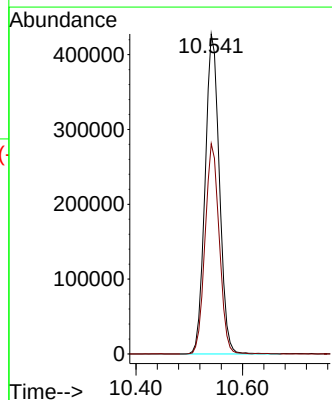
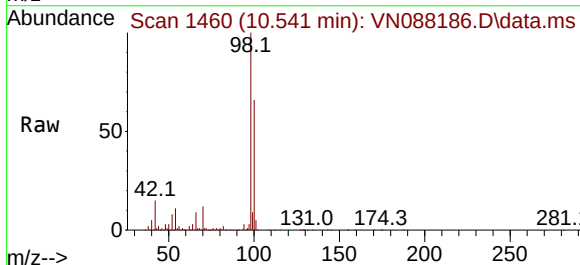
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

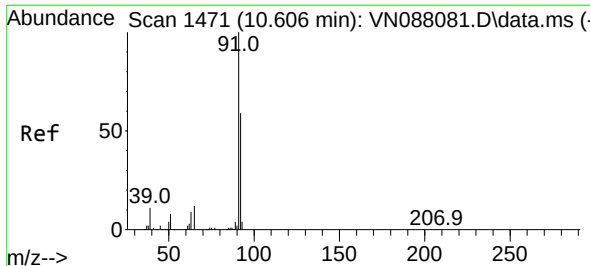
Tgt Ion:113 Resp: 206260
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 16.3 12.8 19.2



#50
Toluene-d8
Concen: 49.911 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 98 Resp: 797025
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2

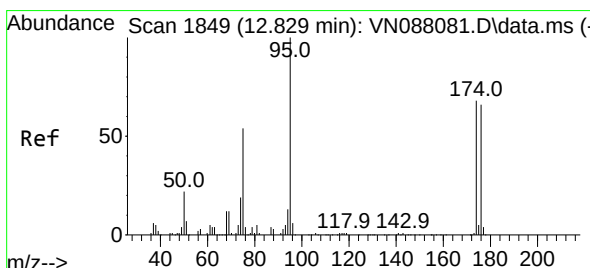
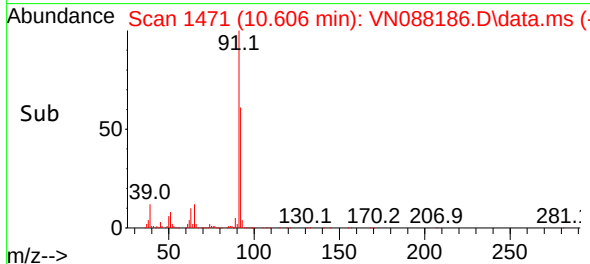
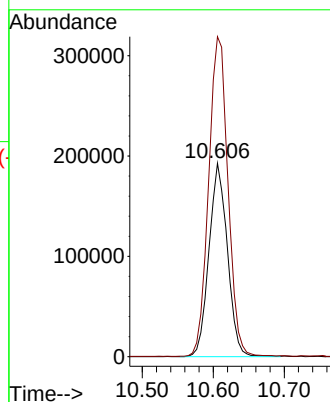
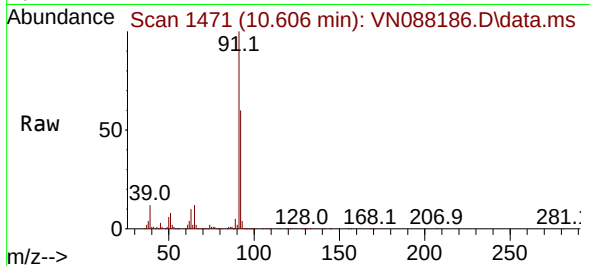




#52
Toluene
Concen: 30.576 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

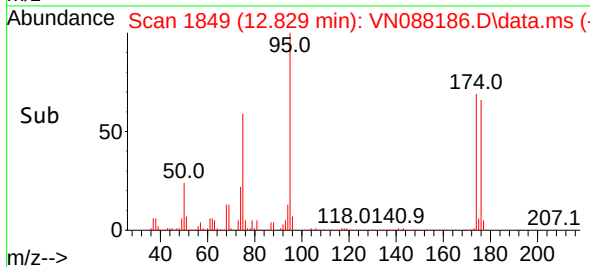
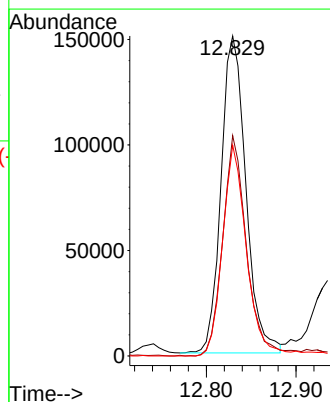
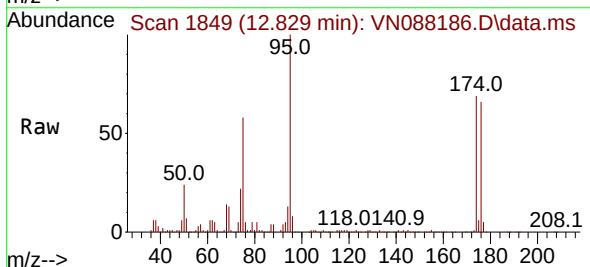
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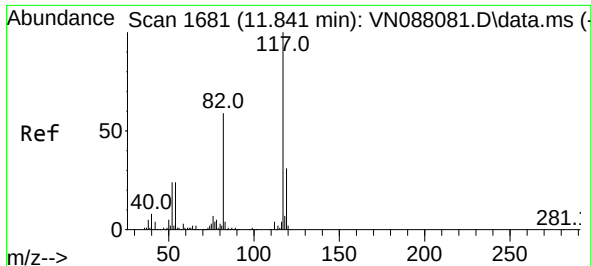
Tgt Ion: 92 Resp: 347408
Ion Ratio Lower Upper
92 100
91 173.2 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 51.095 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 95 Resp: 288155
Ion Ratio Lower Upper
95 100
174 67.1 0.0 138.4
176 64.0 0.0 132.6

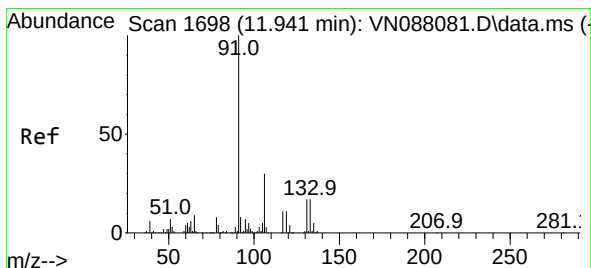
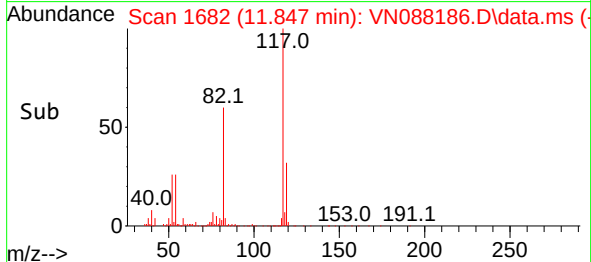
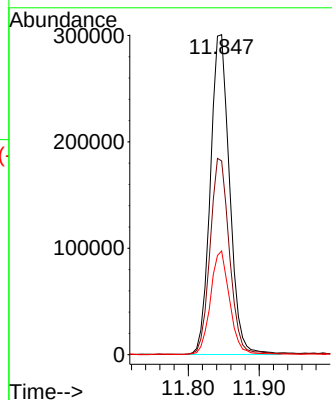
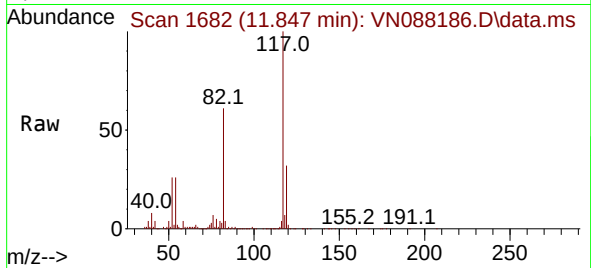




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

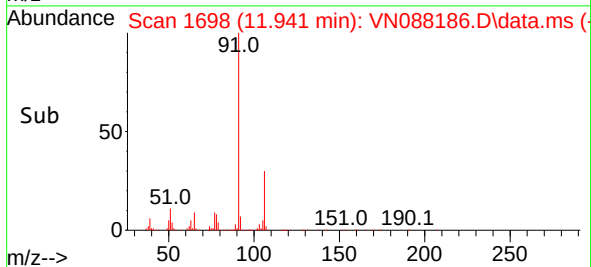
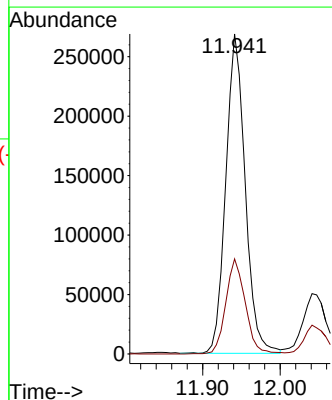
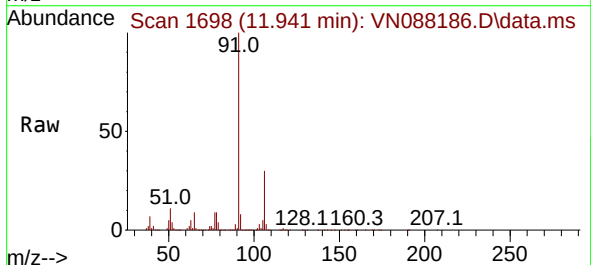
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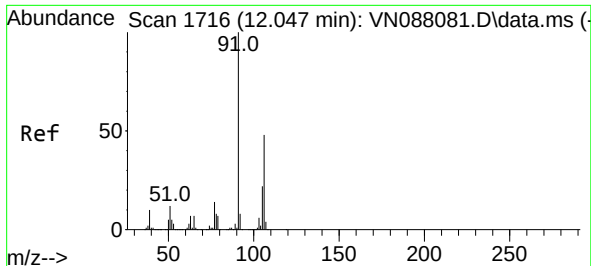
Tgt Ion:117 Resp: 566365
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.3 24.3 36.5



#67
Ethyl Benzene
Concen: 20.689 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 91 Resp: 467029
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1

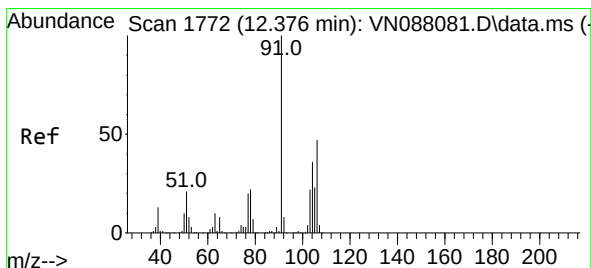
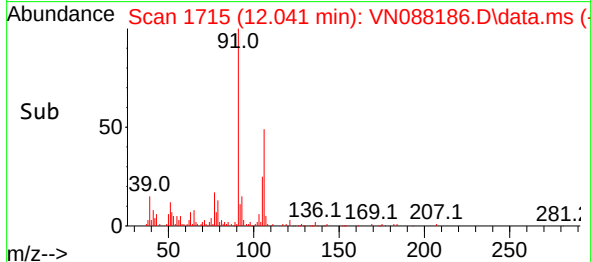
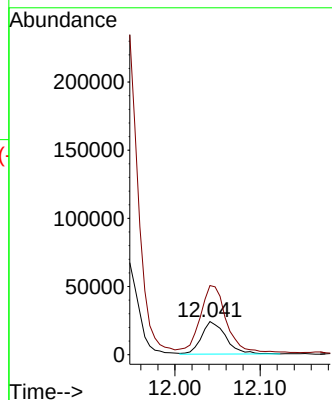
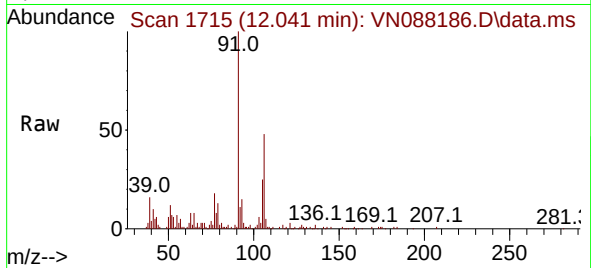




#68
m/p-Xylenes
Concen: 5.625 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

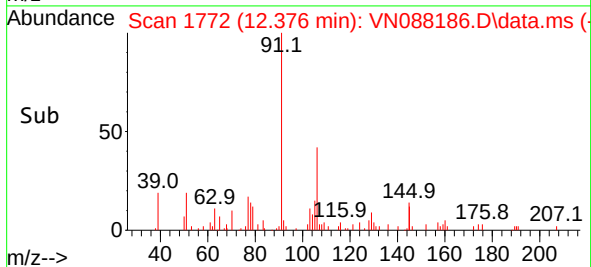
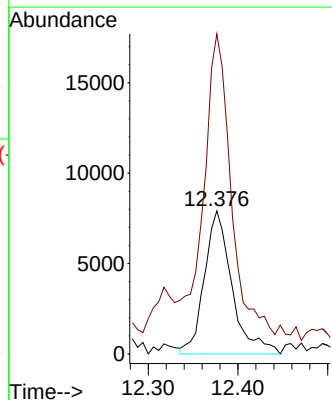
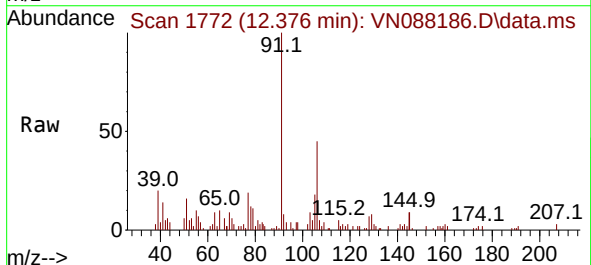
Instrument :
MSVOA_N
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P001-TW4-251023-01

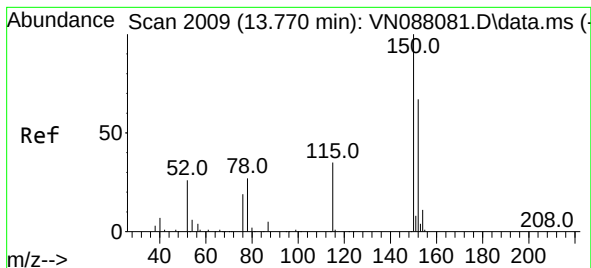
Tgt Ion:106 Resp: 47578
Ion Ratio Lower Upper
106 100
91 224.8 169.3 253.9



#69
o-Xylene
Concen: 2.109 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion:106 Resp: 16907
Ion Ratio Lower Upper
106 100
91 203.8 111.4 334.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

P001-TW4-251023-01

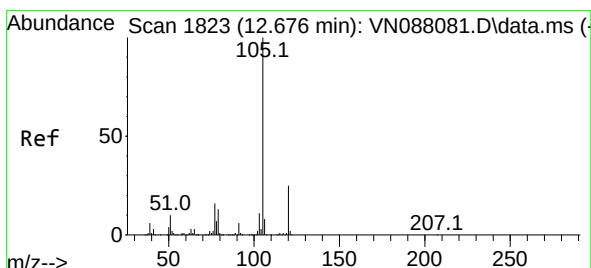
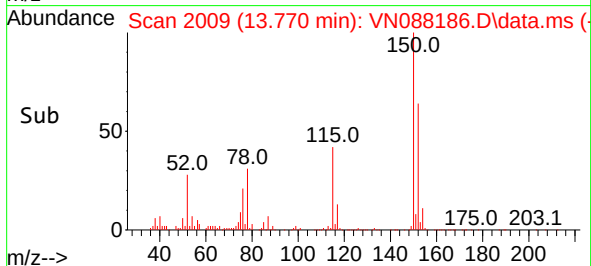
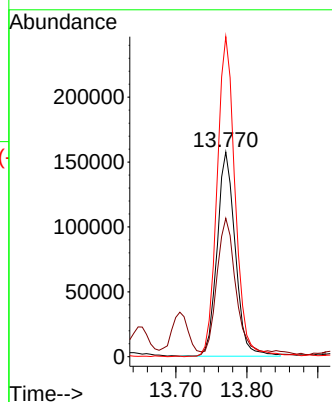
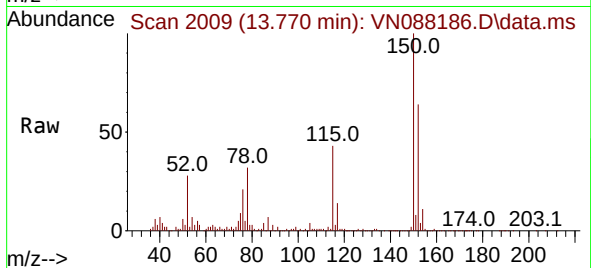
Tgt Ion:152 Resp: 278512

Ion Ratio Lower Upper

152 100

115 65.6 32.3 96.8

150 157.7 0.0 351.0



#73

Isopropylbenzene

Concen: 1.147 ug/l

RT: 12.671 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VN088186.D

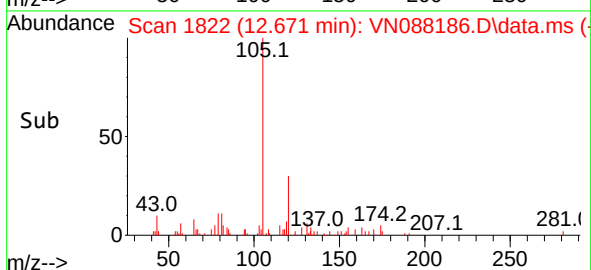
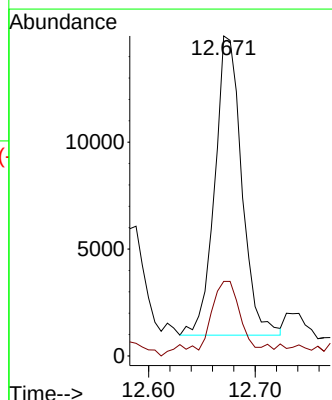
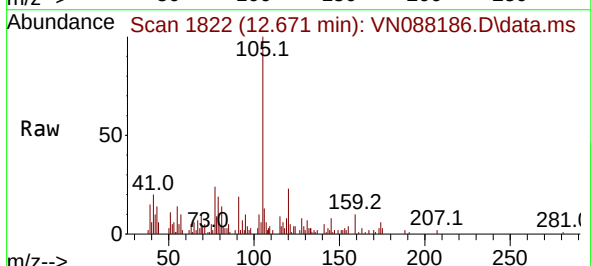
Acq: 31 Oct 2025 14:21

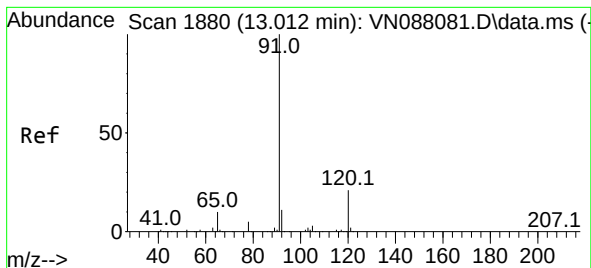
Tgt Ion:105 Resp: 24632

Ion Ratio Lower Upper

105 100

120 22.6 12.8 38.3





#78

n-propylbenzene

Concen: 1.936 ug/l

RT: 13.018 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

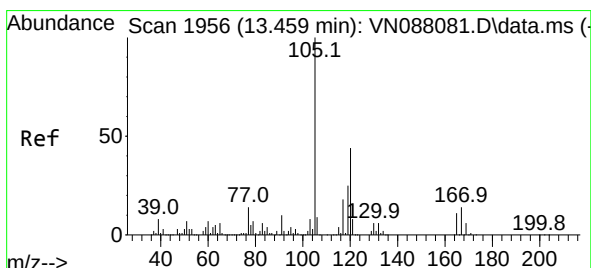
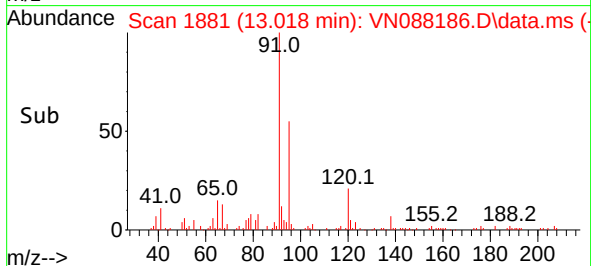
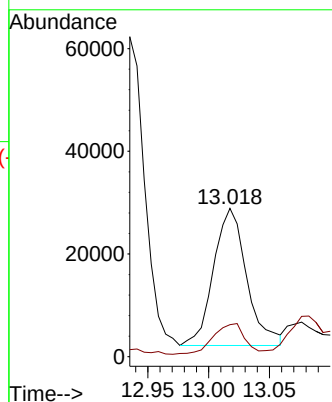
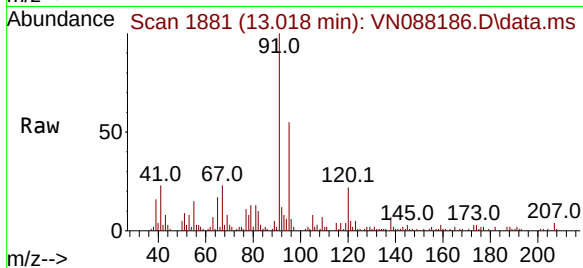
P001-TW4-251023-01

Tgt Ion: 91 Resp: 50738

Ion Ratio Lower Upper

91 100

120 23.7 10.7 32.1



#84

1,2,4-Trimethylbenzene

Concen: 2.671 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088186.D

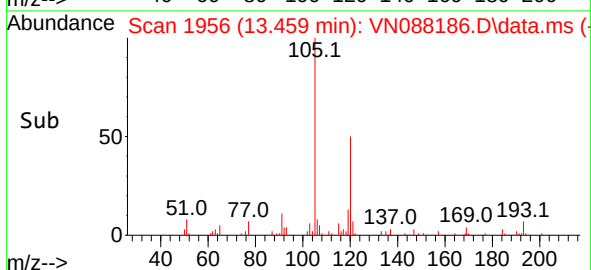
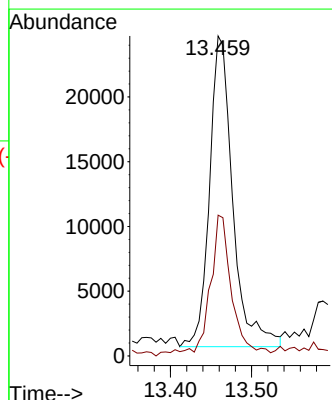
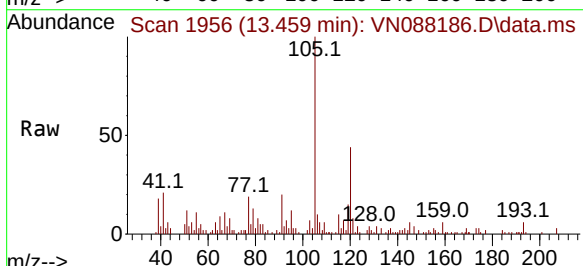
Acq: 31 Oct 2025 14:21

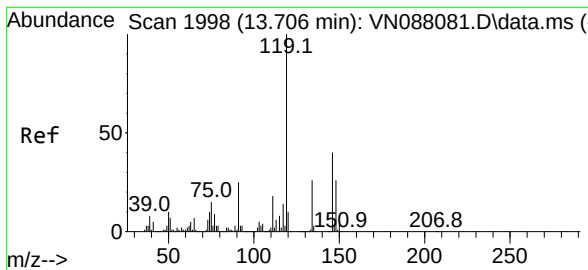
Tgt Ion:105 Resp: 47676

Ion Ratio Lower Upper

105 100

120 43.3 22.0 66.0





#86
 p-Isopropyltoluene
 Concen: 37.311 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088186.D
 Acq: 31 Oct 2025 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW4-251023-01

Tgt Ion:	119	Resp:	700814
Ion	Ratio	Lower	Upper
119	100		
134	24.4	12.7	38.0
91	26.9	12.5	37.5

