

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088405.D
 Acq On : 02 Dec 2025 13:16
 Operator : JC\MD
 Sample : Q3716-04DL 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW7DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:28:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	179775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	404613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	399064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	196778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	192978	56.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.960%			
35) Dibromofluoromethane	8.147	113	145835	52.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	10.541	98	517482	49.601	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.829	95	199337	55.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.380%			
Target Compounds					Qvalue	
31) Cyclohexane	8.200	56	14628m	3.284	ug/l	
39) Methylcyclohexane	9.577	83	8947	1.933	ug/l #	72
40) Benzene	8.588	78	133961	10.547	ug/l	99
52) Toluene	10.606	92	476203	64.933	ug/l	100
67) Ethyl Benzene	11.941	91	299620	19.125	ug/l	100
68) m/p-Xylenes	12.041	106	558226	96.101	ug/l	98
69) o-Xylene	12.376	106	203557	36.757	ug/l	100
73) Isopropylbenzene	12.676	105	12257	0.842	ug/l	97
78) n-propylbenzene	13.012	91	57132	3.210	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	112000	9.290	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	397842	33.199	ug/l	99
85) sec-Butylbenzene	13.594	105	6021m	0.409	ug/l	
89) n-Butylbenzene	14.035	91	10022m	0.855	ug/l	

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

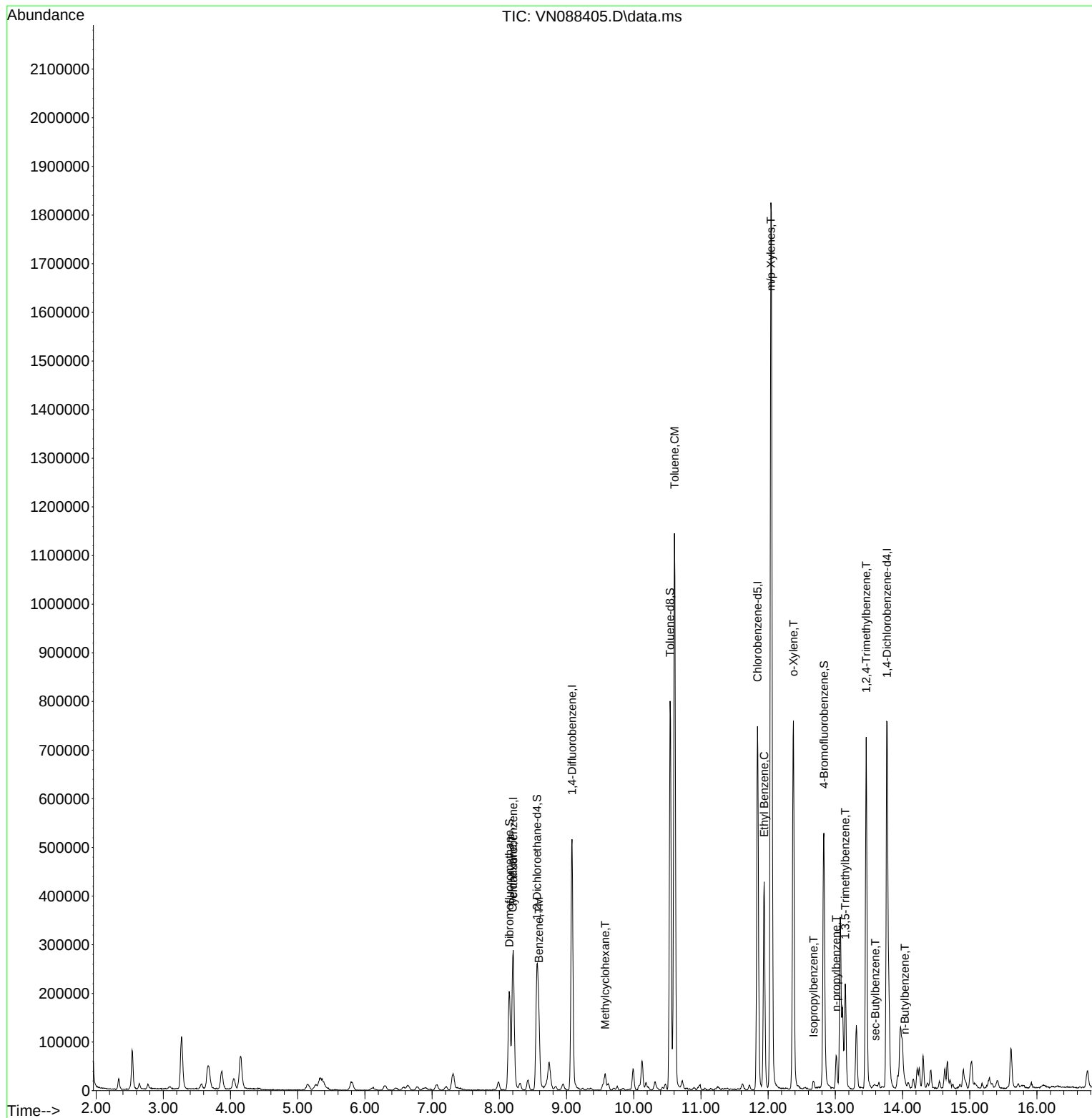
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088405.D
Acq On : 02 Dec 2025 13:16
Operator : JC\MD
Sample : Q3716-04DL 200X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

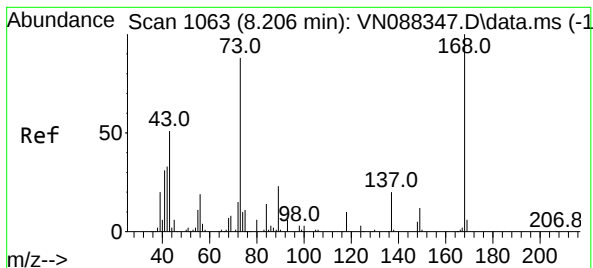
Instrument :
MSVOA_N
ClientSampleId :
MW7DL

Quant Time: Dec 03 01:28:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

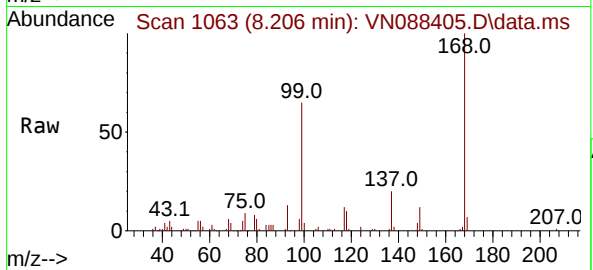
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

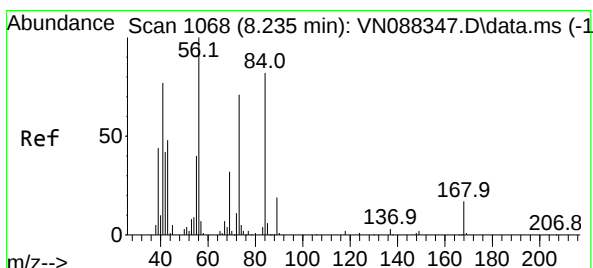
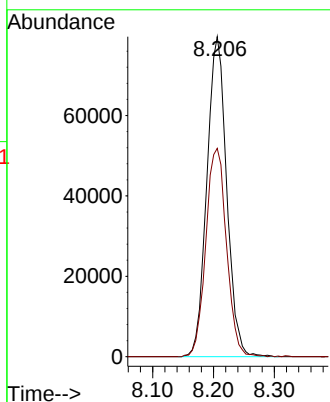
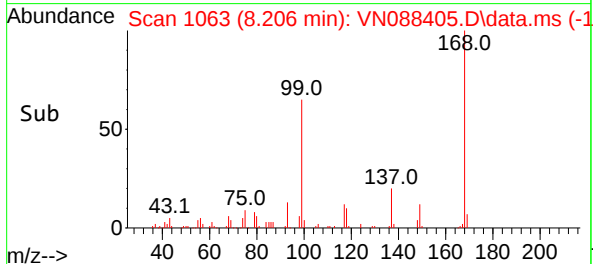
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



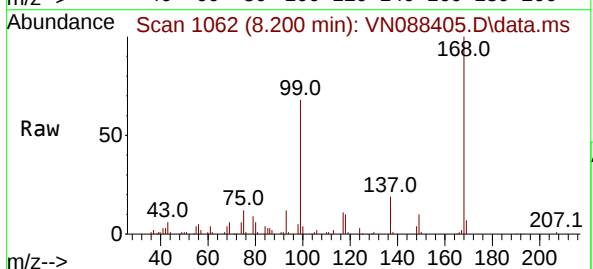
Tgt Ion:168 Resp: 179775
Ion Ratio Lower Upper
168 100
99 65.1 57.1 85.7

Manual Integrations
APPROVED

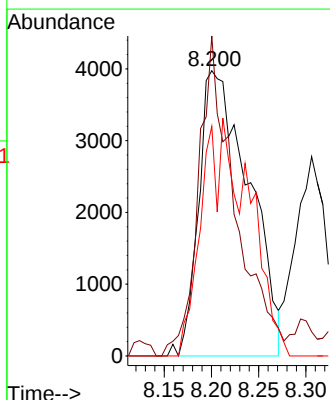
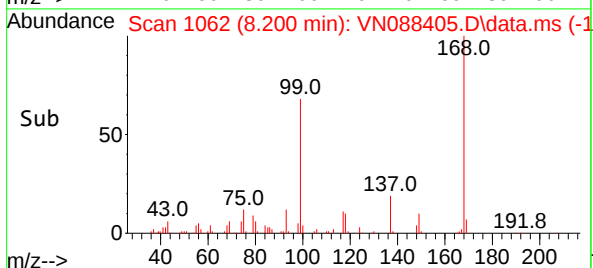
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

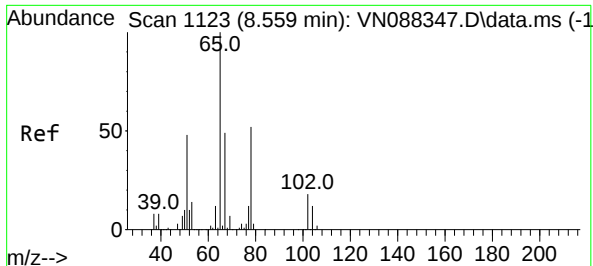


#31
Cyclohexane
Concen: 3.284 ug/l m
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16



Tgt Ion: 56 Resp: 14628
Ion Ratio Lower Upper
56 100
69 112.1 25.3 37.9#
84 80.5 65.4 98.2





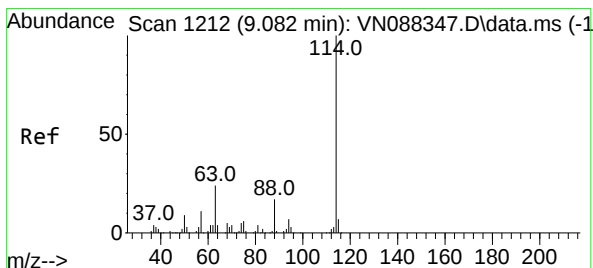
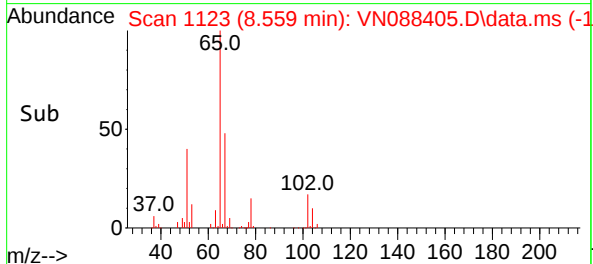
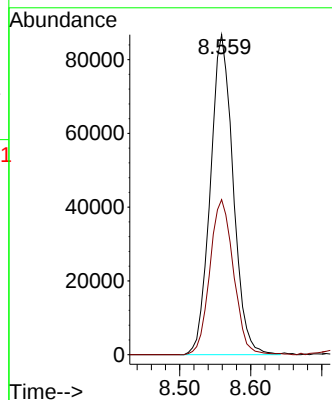
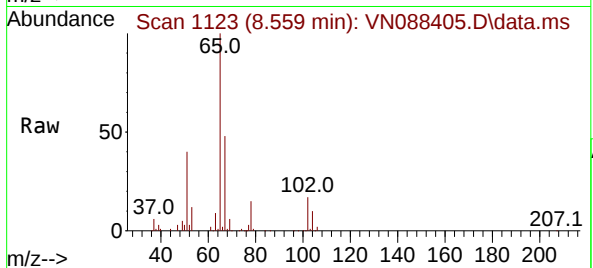
#33
1,2-Dichloroethane-d4
Concen: 56.983 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

Instrument :
MSVOA_N
ClientSampleId :
MW7DL

Tgt Ion: 65 Resp: 192978
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.8

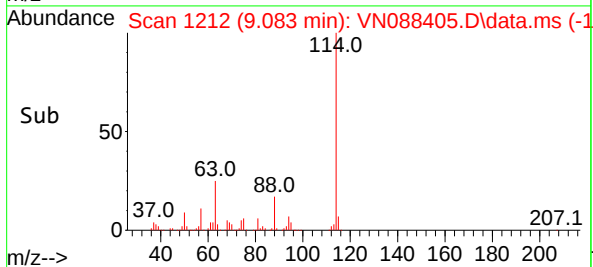
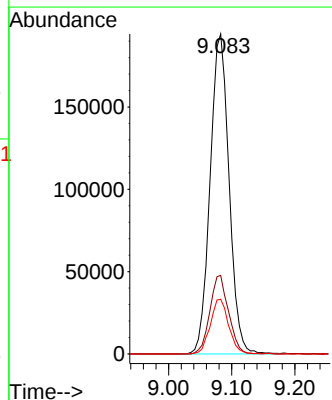
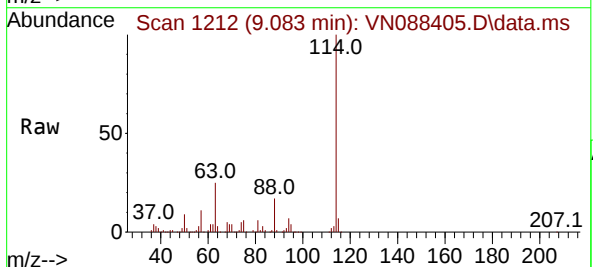
Manual Integrations
APPROVED

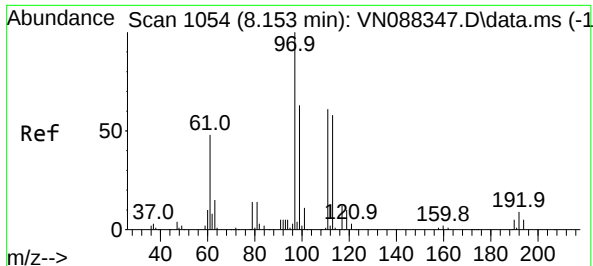
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

Tgt Ion:114 Resp: 404613
Ion Ratio Lower Upper
114 100
63 24.5 0.0 49.0
88 17.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.011 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088405.D

Acq: 02 Dec 2025 13:16

Instrument :

MSVOA_N

ClientSampleId :

MW7DL

Tgt Ion:113 Resp: 14583

Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

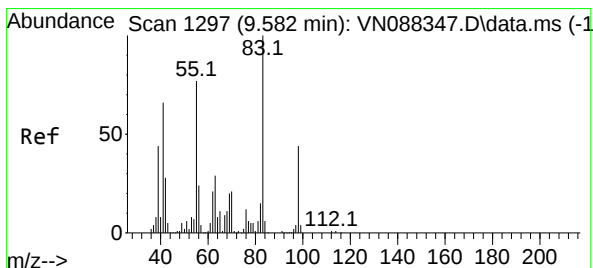
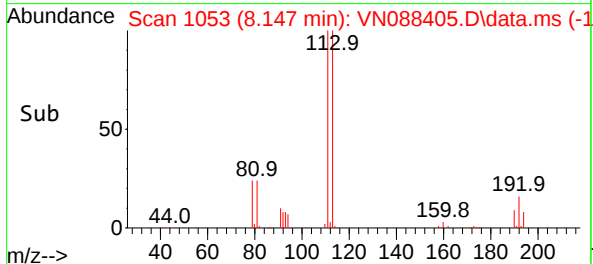
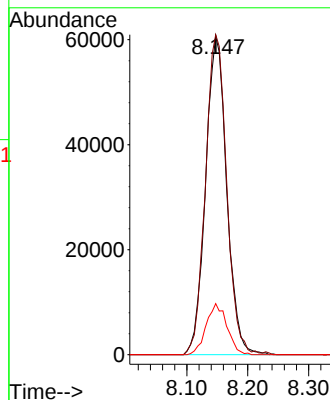
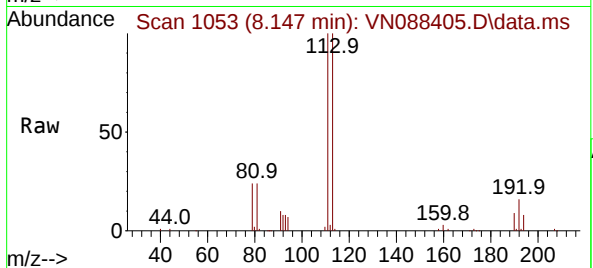
192 15.8 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#39

Methylcyclohexane

Concen: 1.933 ug/l

RT: 9.577 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088405.D

Acq: 02 Dec 2025 13:16

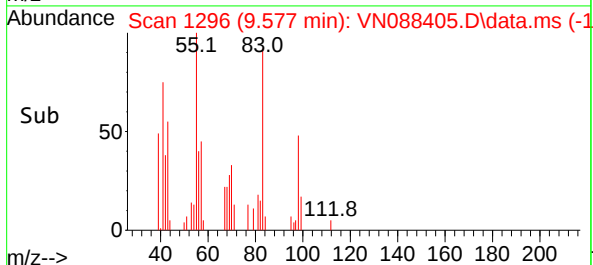
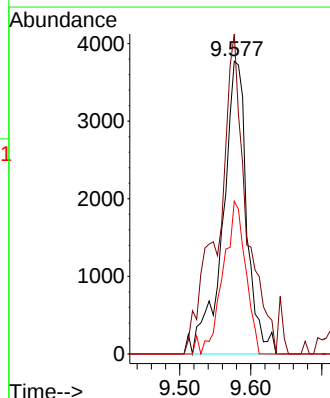
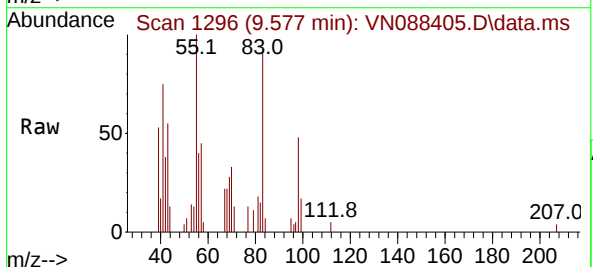
Tgt Ion: 83 Resp: 8947

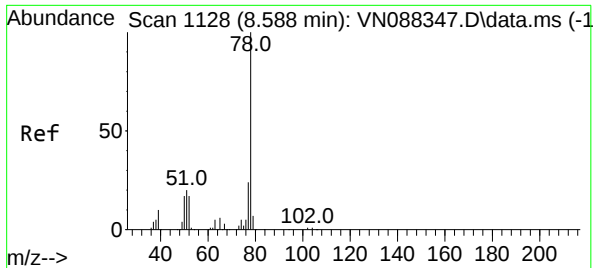
Ion Ratio Lower Upper

83 100

55 109.3 61.6 92.4#

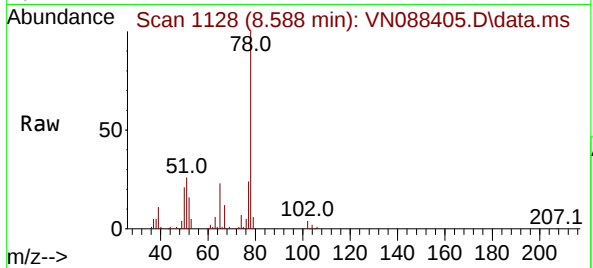
98 52.2 35.3 52.9





#40
Benzene
Concen: 10.547 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

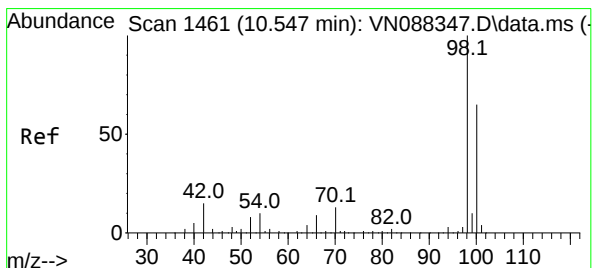
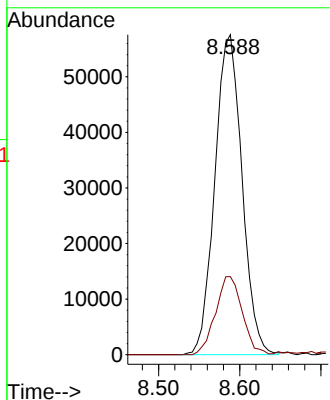
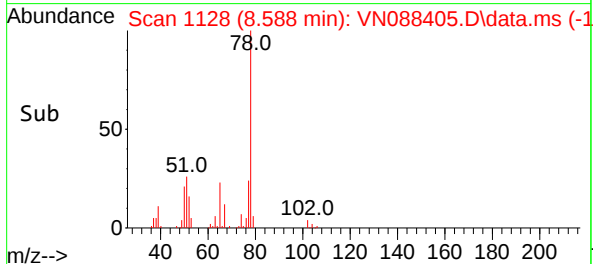
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



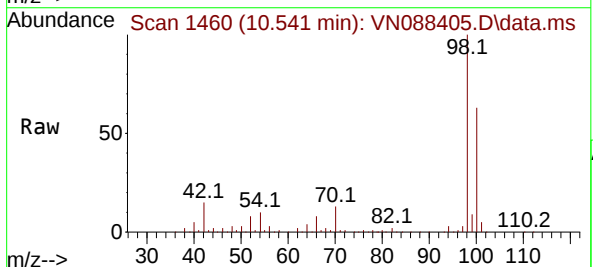
Tgt Ion: 78 Resp: 13396
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4

Manual Integrations
APPROVED

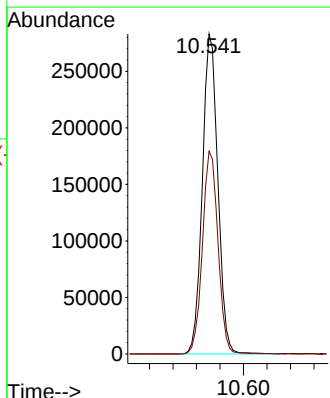
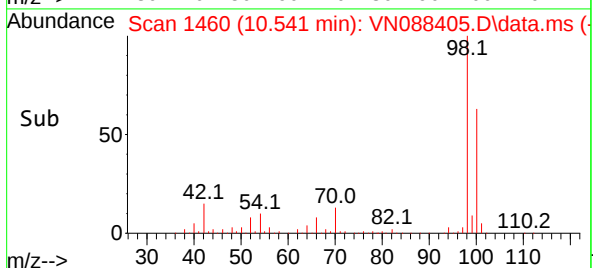
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

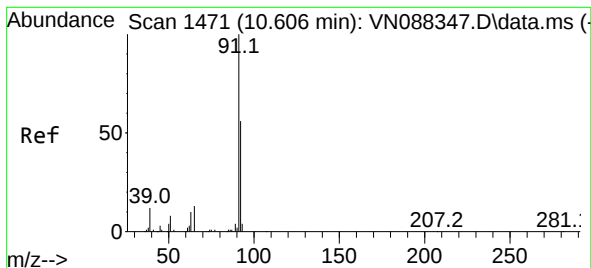


#50
Toluene-d8
Concen: 49.601 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16



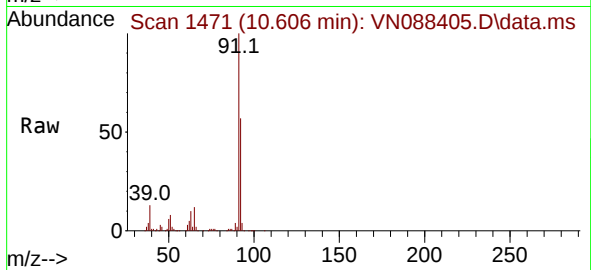
Tgt Ion: 98 Resp: 517482
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2





#52
Toluene
Concen: 64.933 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

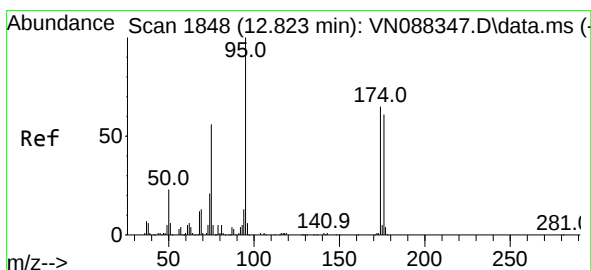
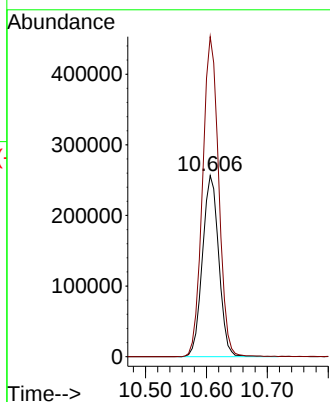
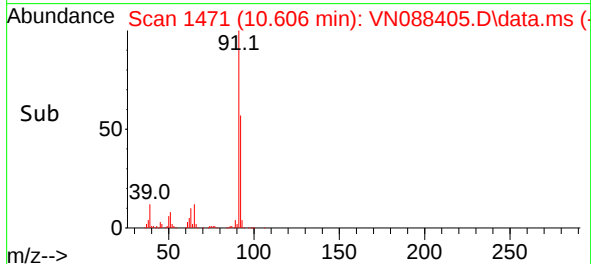
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion: 92 Resp: 47620
Ion Ratio Lower Upper
92 100
91 175.3 140.2 210.2

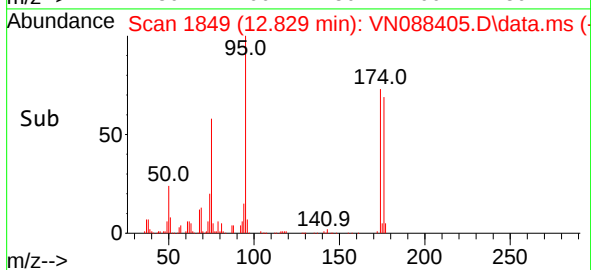
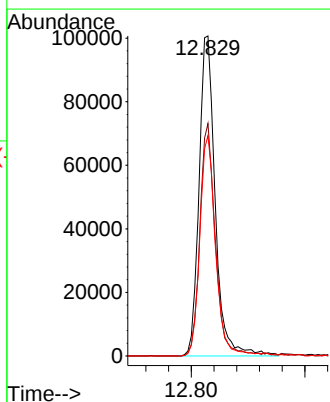
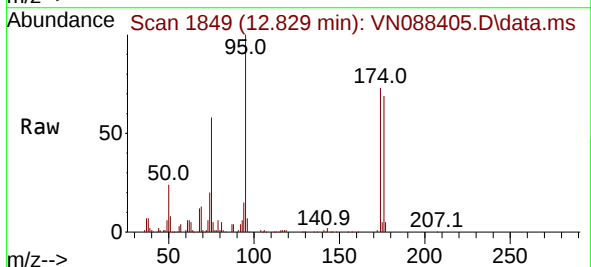
Manual Integrations
APPROVED

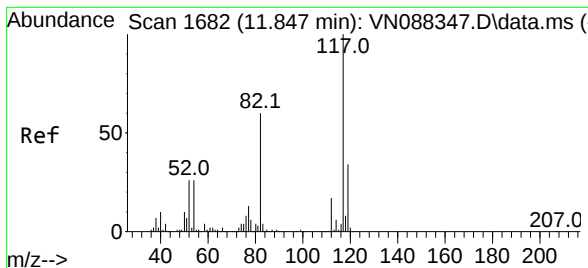
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#62
4-Bromofluorobenzene
Concen: 55.685 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

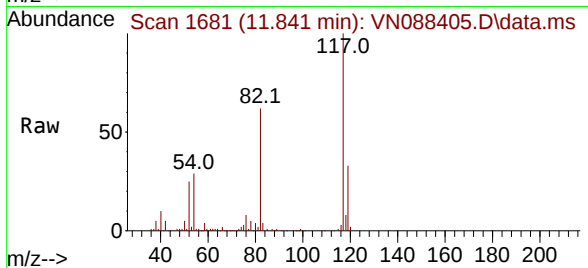
Tgt Ion: 95 Resp: 199337
Ion Ratio Lower Upper
95 100
174 69.1 0.0 139.0
176 66.3 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

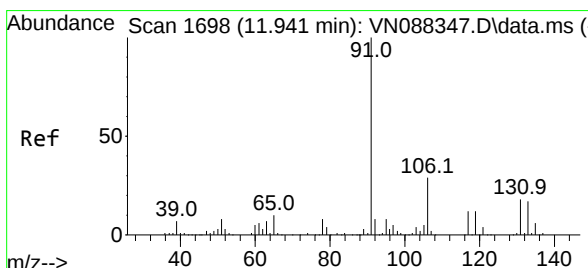
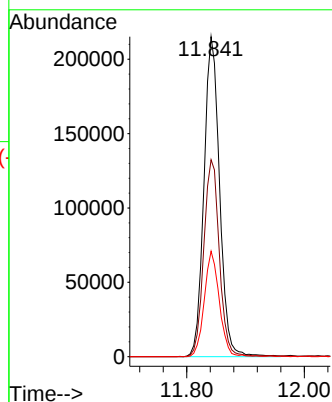
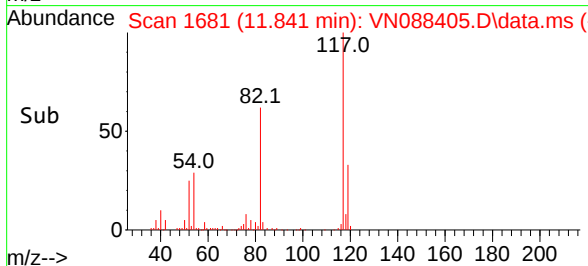
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion: 117 Resp: 399064
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 32.9 26.9 40.3

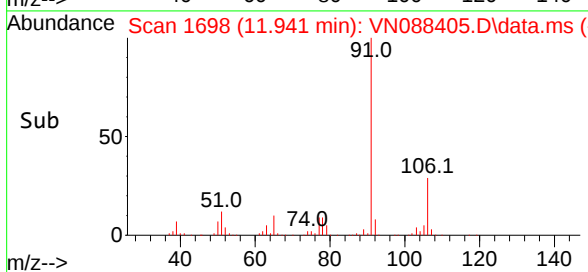
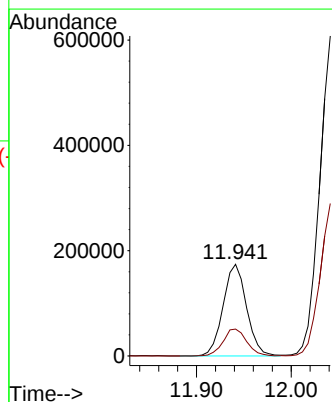
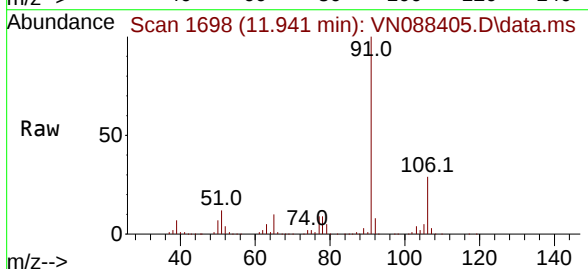
Manual Integrations
APPROVED

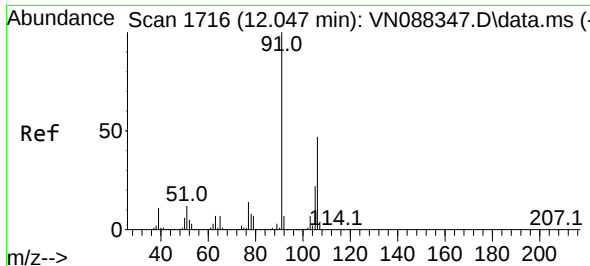
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#67
Ethyl Benzene
Concen: 19.125 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

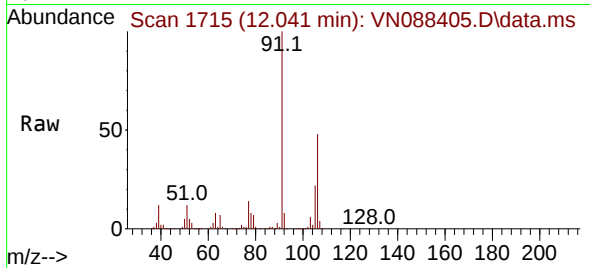
Tgt Ion: 91 Resp: 299620
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4





#68
m/p-Xylenes
Concen: 96.101 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

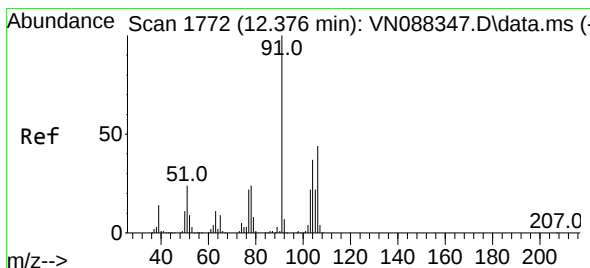
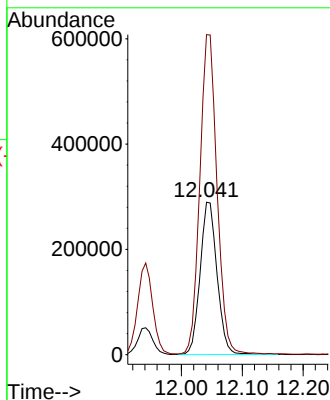
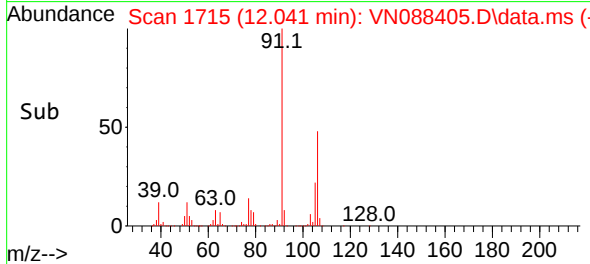
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion:106 Resp: 558220
Ion Ratio Lower Upper
106 100
91 212.4 167.8 251.6

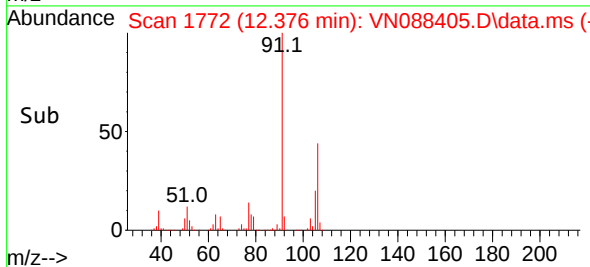
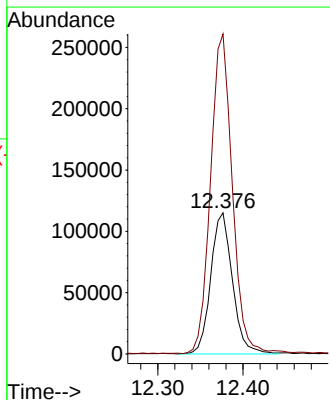
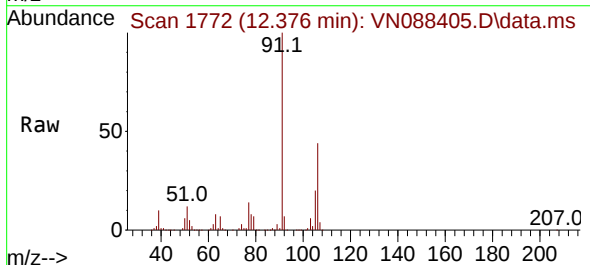
Manual Integrations
APPROVED

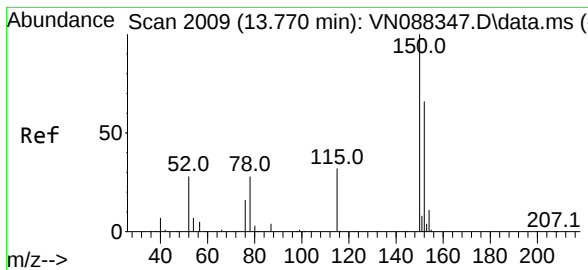
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#69
o-Xylene
Concen: 36.757 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

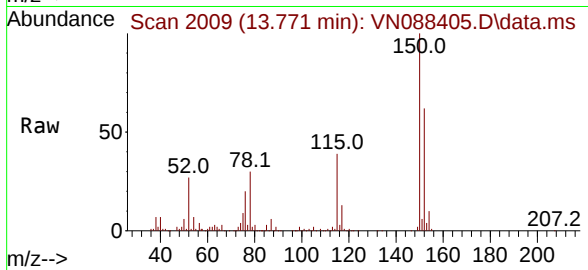
Tgt Ion:106 Resp: 203557
Ion Ratio Lower Upper
106 100
91 226.1 112.9 338.7





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

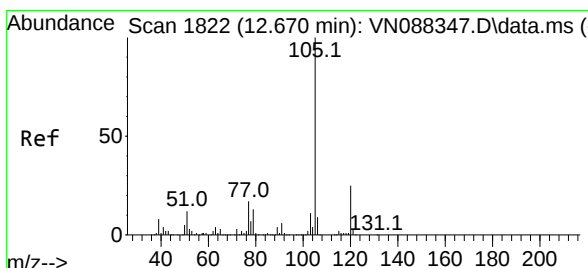
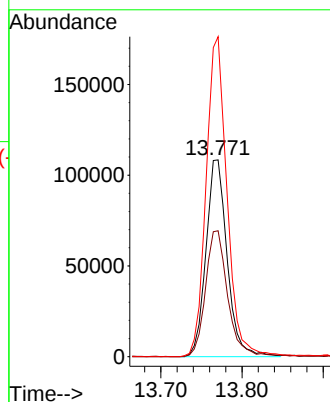
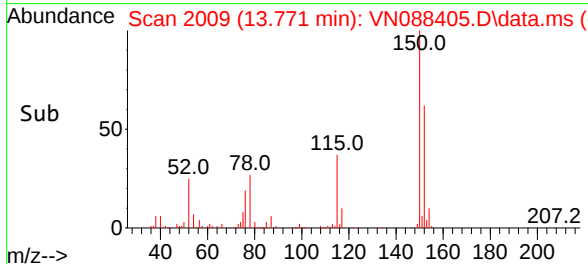
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion:152 Resp: 196778
Ion Ratio Lower Upper
152 100
115 67.4 33.0 98.9
150 160.9 0.0 349.0

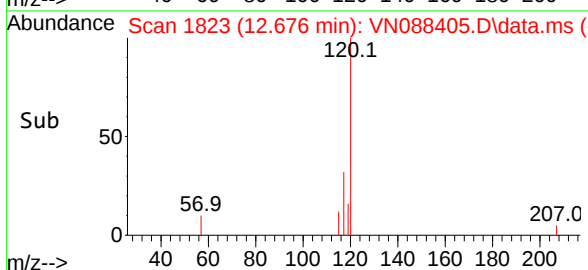
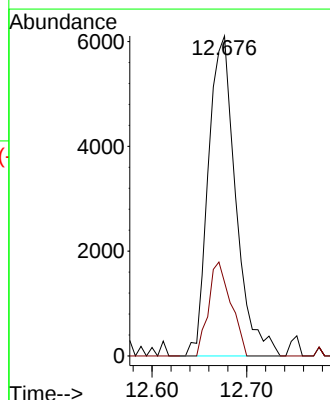
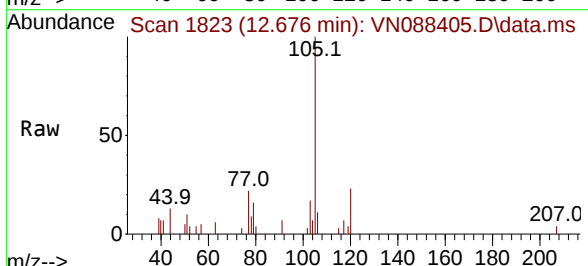
Manual Integrations
APPROVED

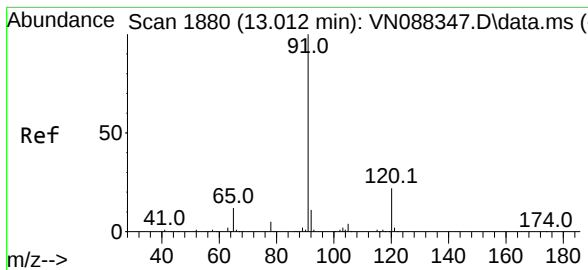
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#73
Isopropylbenzene
Concen: 0.842 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

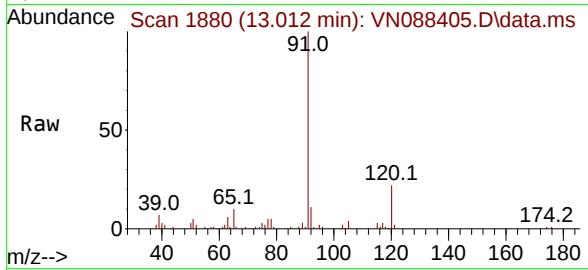
Tgt Ion:105 Resp: 12257
Ion Ratio Lower Upper
105 100
120 24.0 12.8 38.3





#78
n-propylbenzene
Concen: 3.210 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

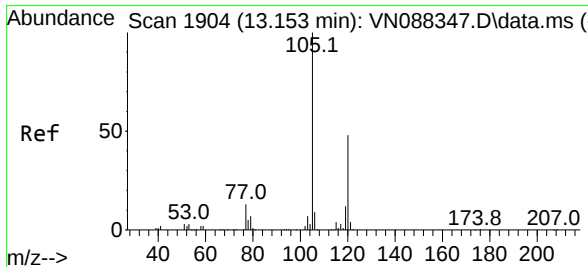
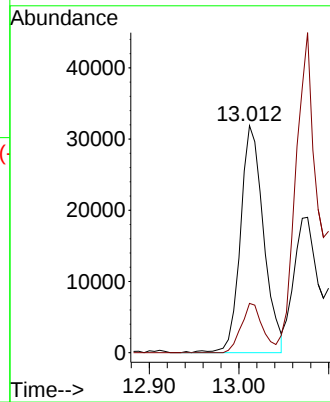
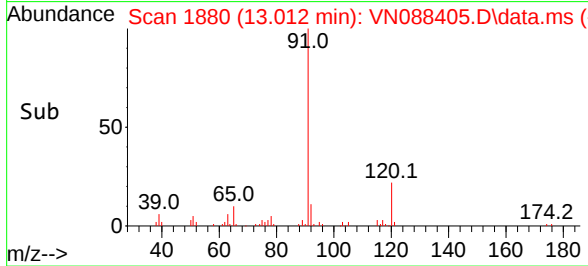
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



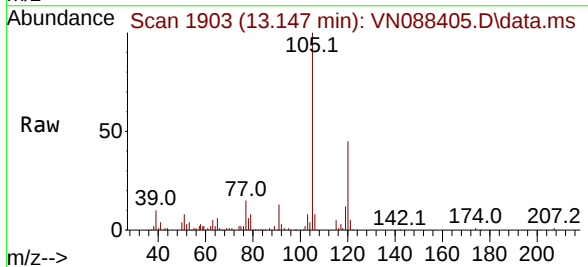
Tgt Ion: 91 Resp: 57132
Ion Ratio Lower Upper
91 100
120 20.2 10.9 32.6

Manual Integrations
APPROVED

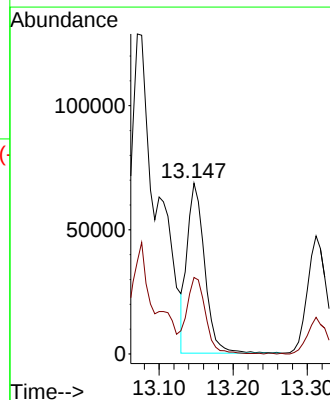
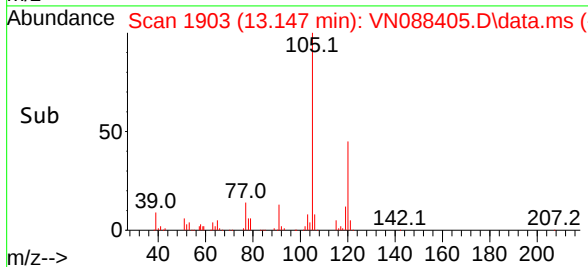
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

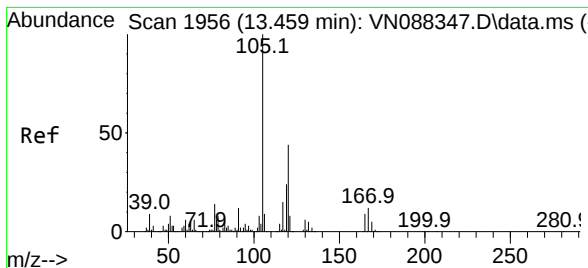


#80
1,3,5-Trimethylbenzene
Concen: 9.290 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16



Tgt Ion:105 Resp: 112000
Ion Ratio Lower Upper
105 100
120 49.1 23.8 71.5





#84

1,2,4-Trimethylbenzene

Concen: 33.199 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN088405.D

Acq: 02 Dec 2025 13:16

Instrument :

MSVOA_N

ClientSampleId :

MW7DL

Tgt Ion:105 Resp: 39784

Ion Ratio Lower Upper

105 100

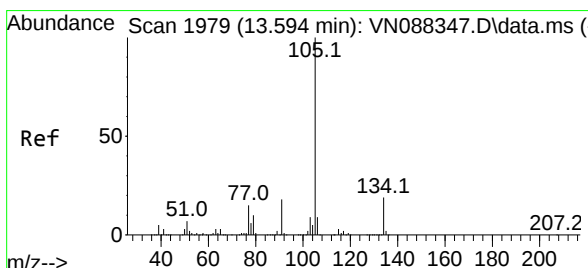
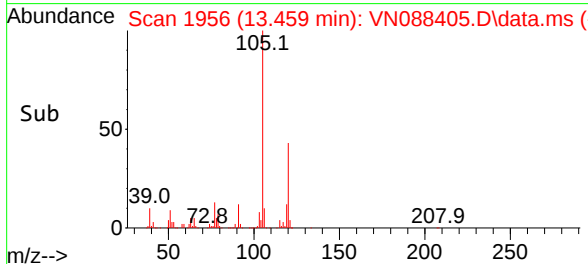
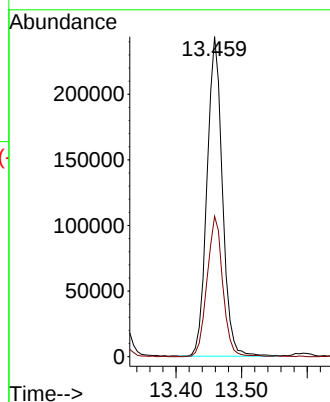
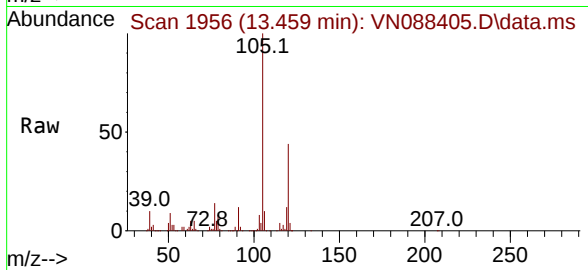
120 45.0 22.1 66.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#85

sec-Butylbenzene

Concen: 0.409 ug/l m

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN088405.D

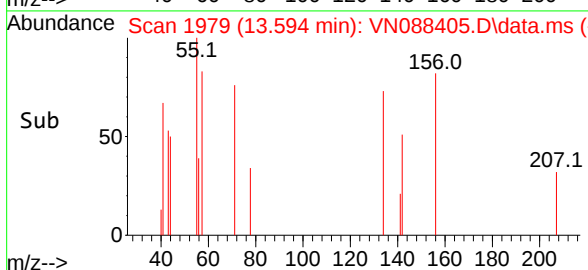
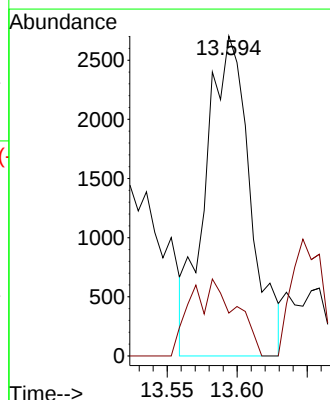
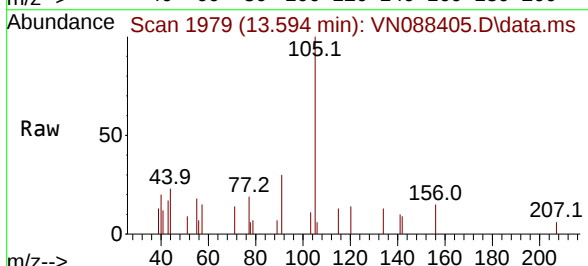
Acq: 02 Dec 2025 13:16

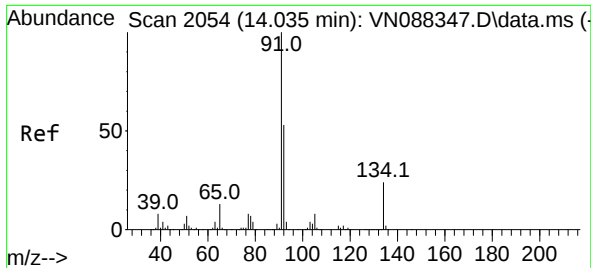
Tgt Ion:105 Resp: 6021

Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#





#89

n-Butylbenzene

Concen: 0.855 ug/l m

RT: 14.035 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN088405.D

Acq: 02 Dec 2025 13:16

Instrument :

MSVOA_N

ClientSampleId :

MW7DL

Tgt Ion:	91	Resp:	1002
Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.1	78.3
134	0.0	11.7	35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025

