

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088379.D
 Acq On : 01 Dec 2025 13:52
 Operator : JC\MD
 Sample : Q3716-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW7

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/02/2025
 Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:13:45 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	191077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	409524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	398646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206355	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	190583	52.947	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.900%	
35) Dibromofluoromethane	8.147	113	143748	50.651	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.300%	
50) Toluene-d8	10.541	98	533344	50.508	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.020%	
62) 4-Bromofluorobenzene	12.829	95	216607	59.784	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 119.560%	

Target Compounds

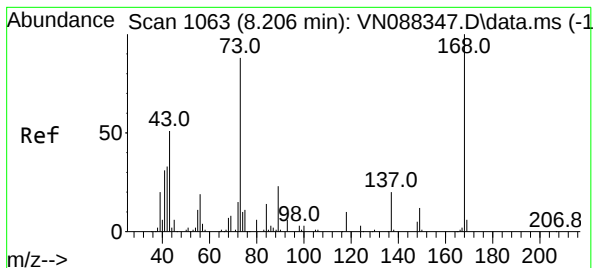
						Qvalue
31) Cyclohexane	8.236	56	328913	69.480	ug/l #	92
39) Methylcyclohexane	9.577	83	336127	71.746	ug/l	91
40) Benzene	8.588	78	2876097	223.732	ug/l	99
52) Toluene	10.606	92	10550086	1421.311	ug/l	90
67) Ethyl Benzene	11.941	91	7539640	481.754	ug/l	99
68) m/p-Xylenes	12.047	106	13748388	2369.332	ug/l #	1
69) o-Xylene	12.376	106	5054489	913.674	ug/l	99
73) Isopropylbenzene	12.671	105	356793	23.385	ug/l	100
78) n-propylbenzene	13.012	91	1699094	91.027	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	2914167	230.496	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	10724506	853.409	ug/l	99
85) sec-Butylbenzene	13.594	105	99221m	6.426	ug/l	
86) p-Isopropyltoluene	13.706	119	48795	3.854	ug/l #	72
89) n-Butylbenzene	14.029	91	172834	14.059	ug/l #	72

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

Manual Integrations

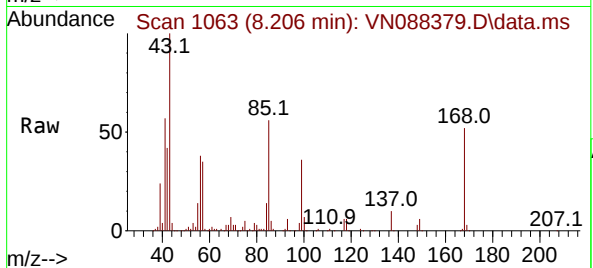
Quant Time: Dec 02 00:13:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

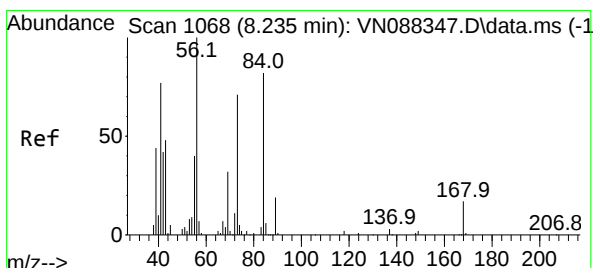
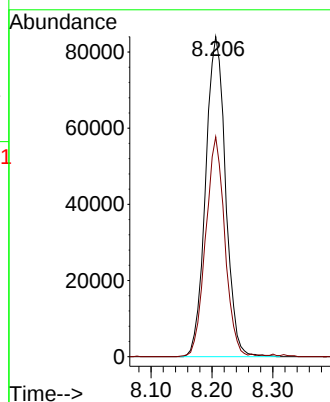
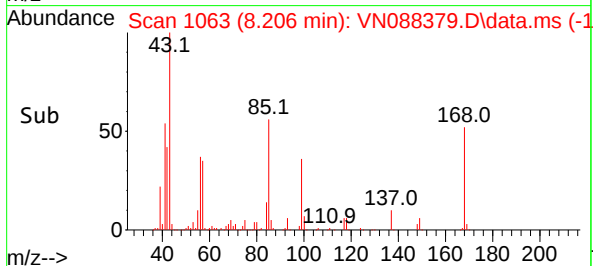
Instrument :
MSVOA_N
ClientSampleId :
MW7



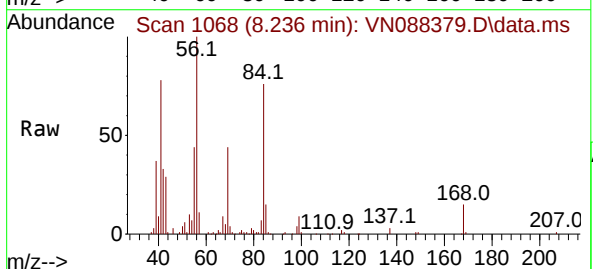
Tgt Ion:168 Resp: 19107
Ion Ratio Lower Upper
168 100
99 68.5 57.1 85.7

Manual Integrations
APPROVED

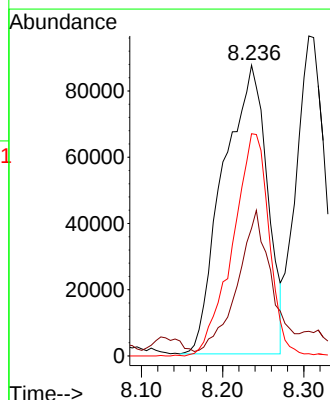
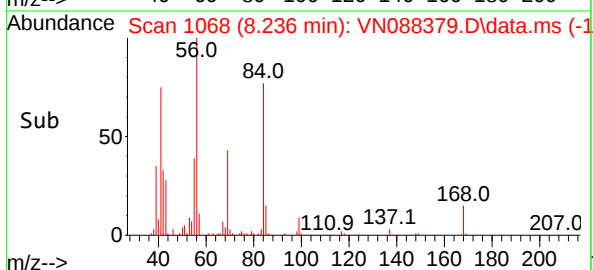
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

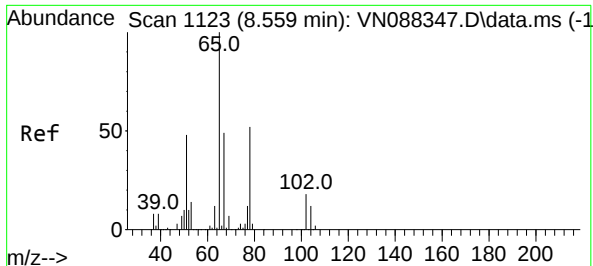


#31
Cyclohexane
Concen: 69.480 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52



Tgt Ion: 56 Resp: 328913
Ion Ratio Lower Upper
56 100
69 39.0 25.3 37.9#
84 76.8 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 52.947 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

MW7

Tgt Ion: 65 Resp: 19058

Ion Ratio Lower Upper

65 100

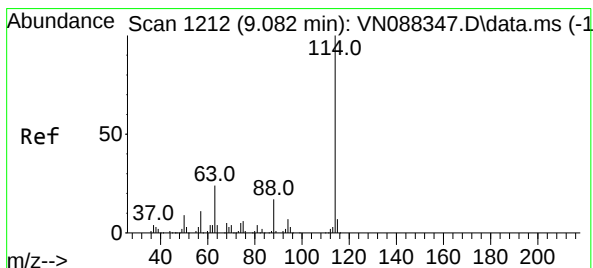
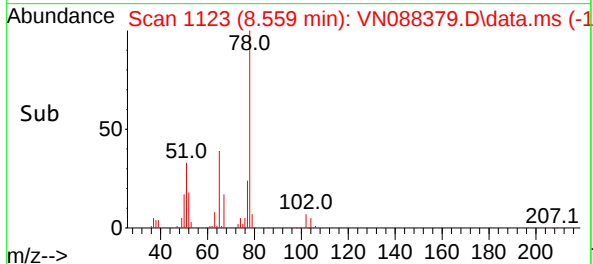
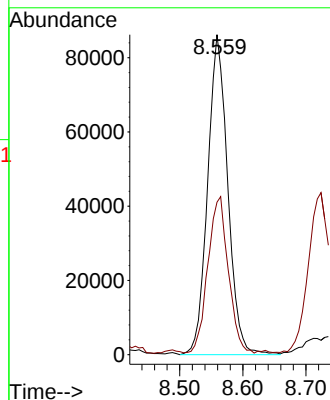
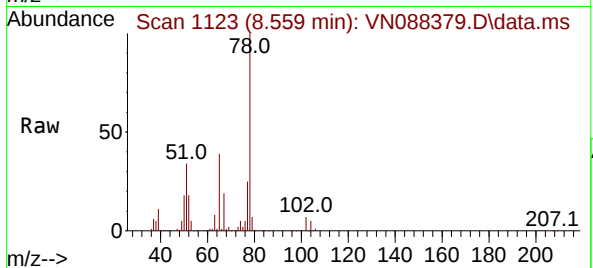
67 49.8 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

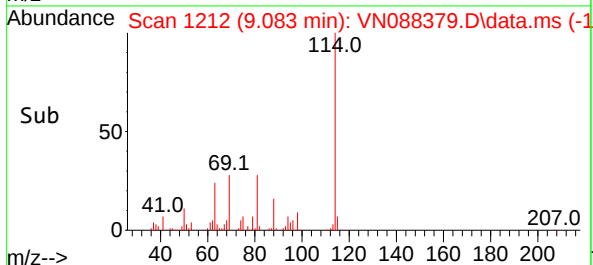
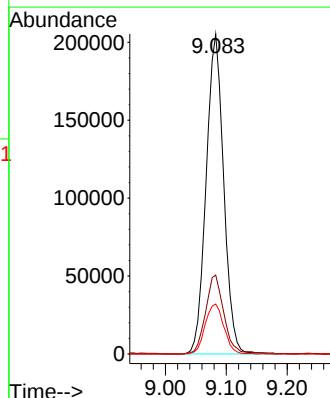
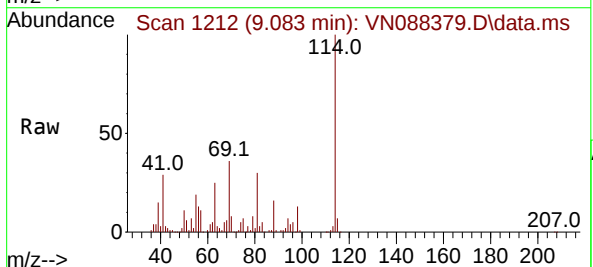
Tgt Ion:114 Resp: 409524

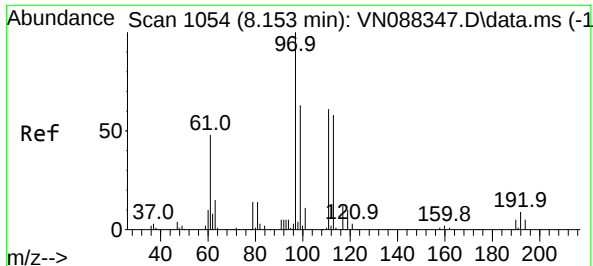
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.0

88 15.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.651 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

MW7

Tgt Ion: 113 Resp: 143748

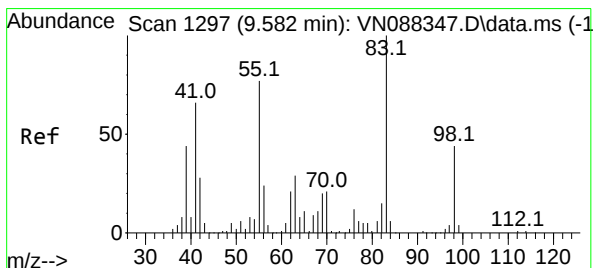
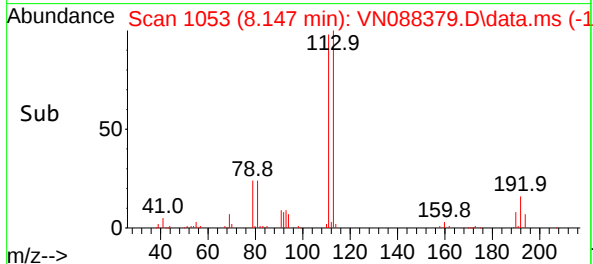
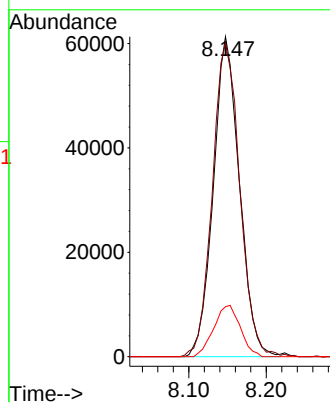
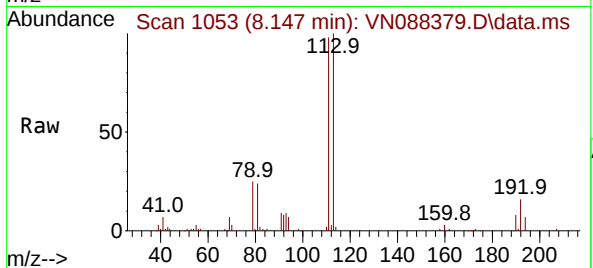
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.5	123.7
192	16.3	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#39

Methylcyclohexane

Concen: 71.746 ug/l

RT: 9.577 min Scan# 1296

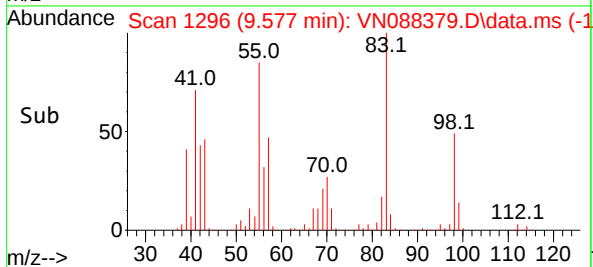
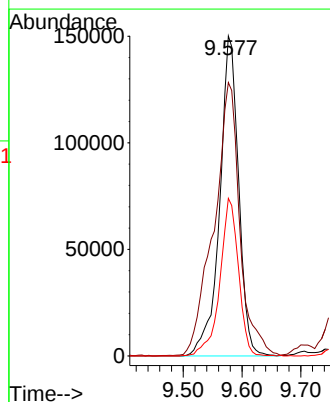
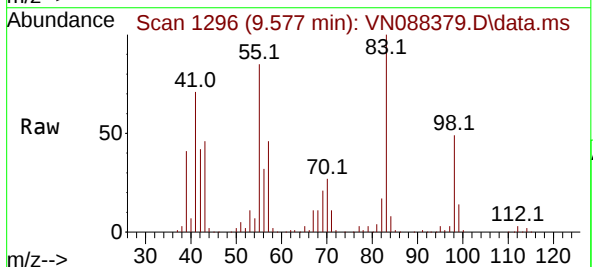
Delta R.T. -0.006 min

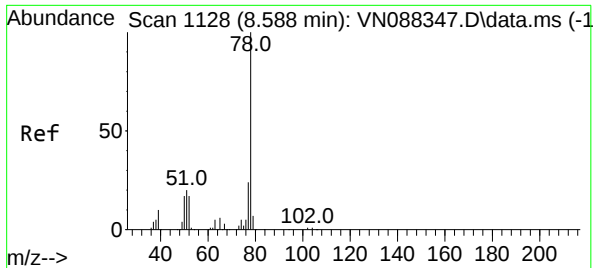
Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

Tgt Ion: 83 Resp: 336127

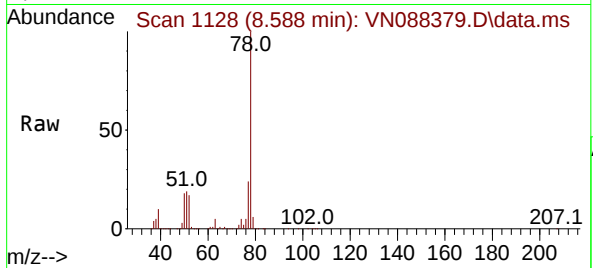
Ion	Ratio	Lower	Upper
83	100		
55	85.2	61.6	92.4
98	49.2	35.3	52.9





#40
Benzene
Concen: 223.732 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

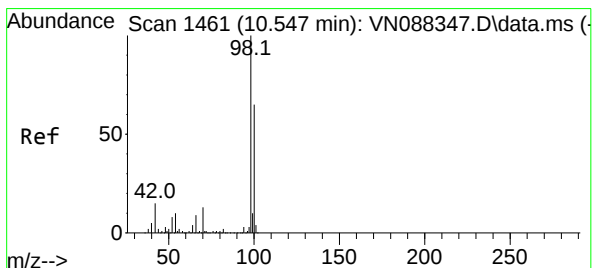
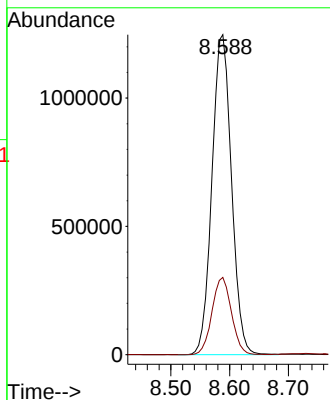
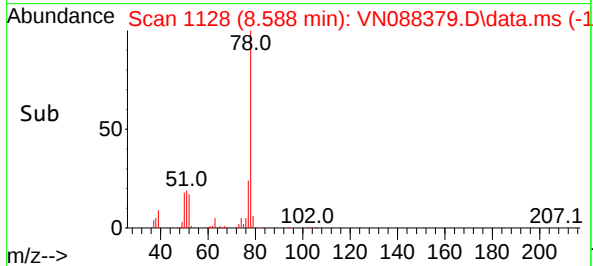
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion: 78 Resp: 287609
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4

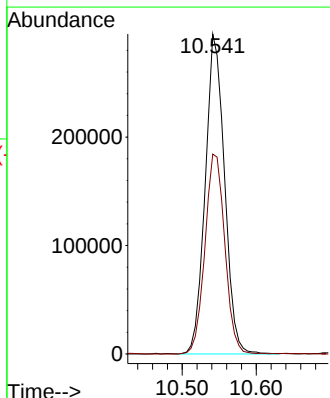
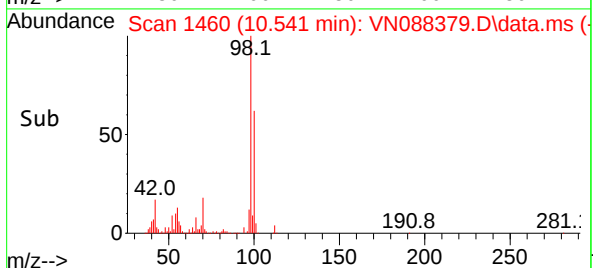
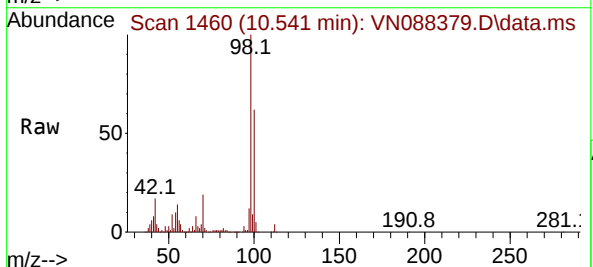
Manual Integrations
APPROVED

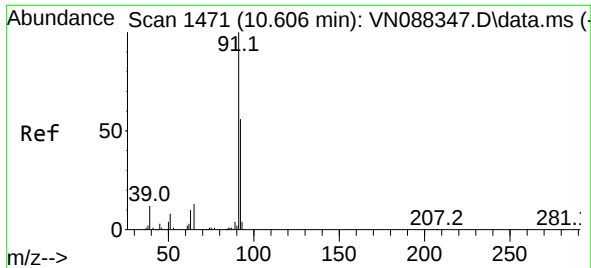
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#50
Toluene-d8
Concen: 50.508 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

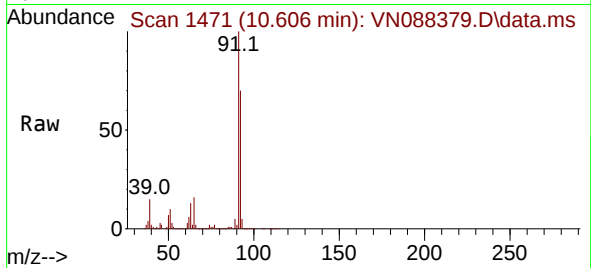
Tgt Ion: 98 Resp: 533344
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2





#52
Toluene
Concen: 1421.311 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

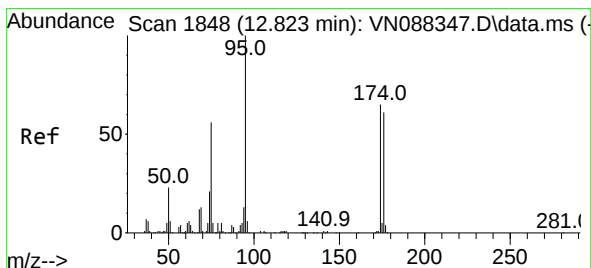
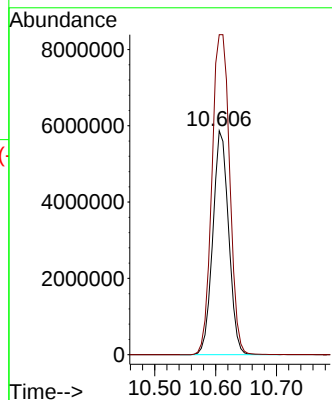
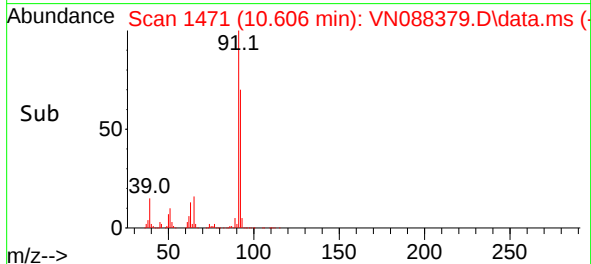
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion: 92 Resp: 1055008
Ion Ratio Lower Upper
92 100
91 160.9 140.2 210.2

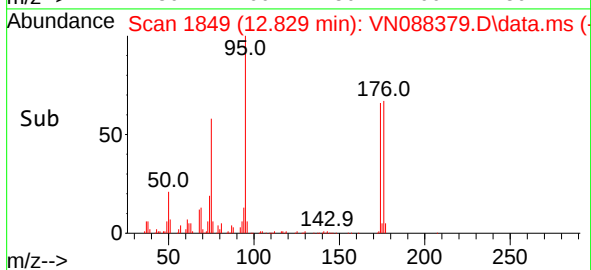
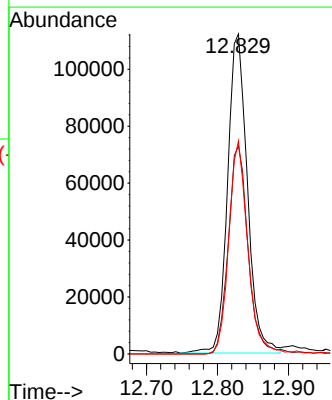
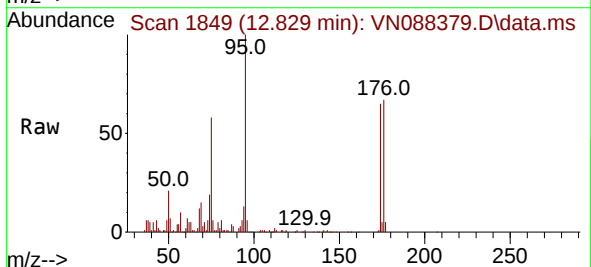
Manual Integrations
APPROVED

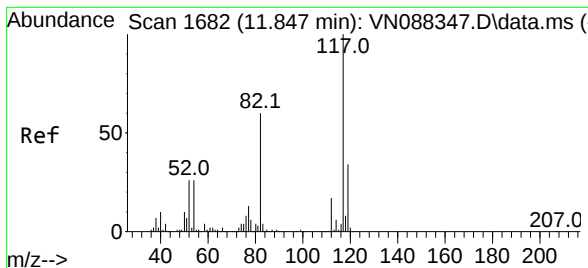
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#62
4-Bromofluorobenzene
Concen: 59.784 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

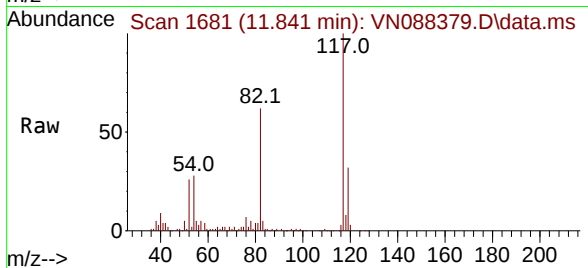
Tgt Ion: 95 Resp: 216607
Ion Ratio Lower Upper
95 100
174 65.4 0.0 139.0
176 64.1 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

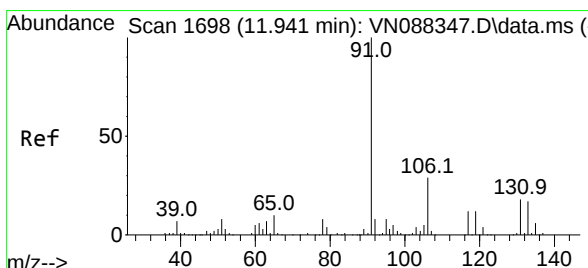
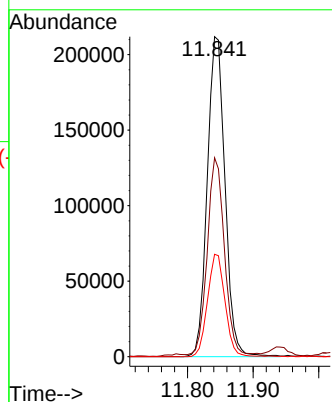
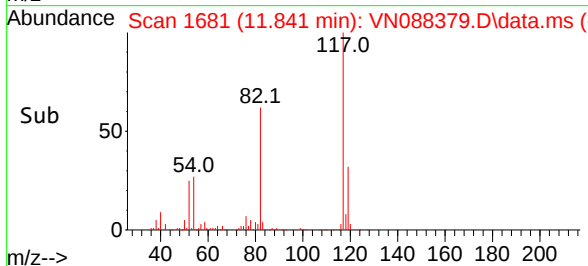
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion: 117 Resp: 398640
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 32.0 26.9 40.3

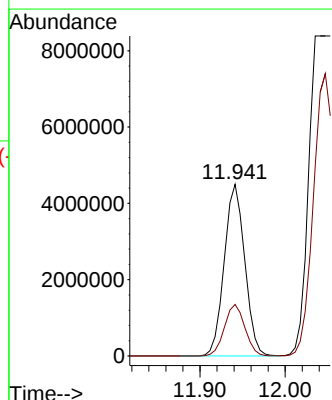
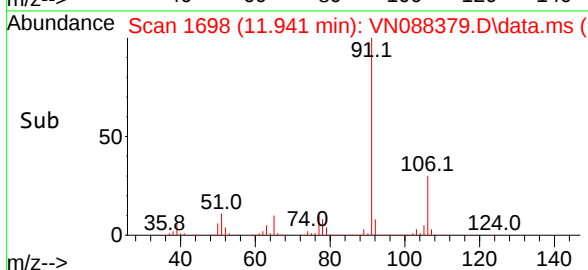
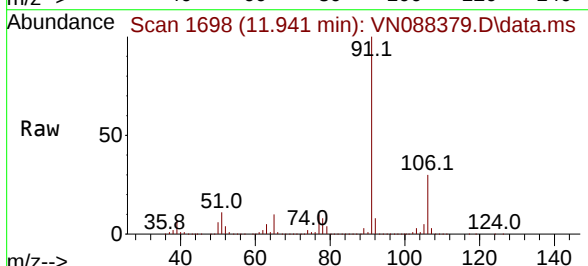
Manual Integrations
APPROVED

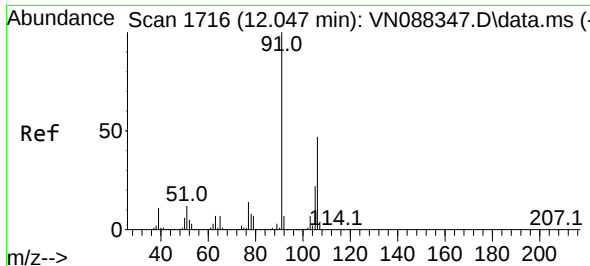
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#67
Ethyl Benzene
Concen: 481.754 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

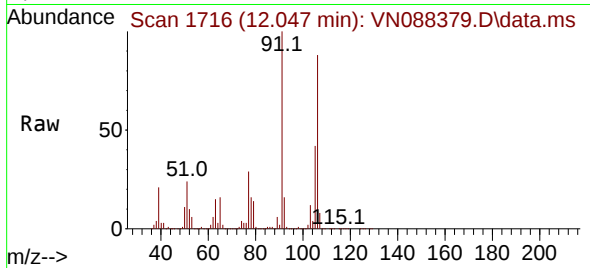
Tgt Ion: 91 Resp: 7539640
Ion Ratio Lower Upper
91 100
106 30.0 23.6 35.4





#68
m/p-Xylenes
Concen: 2369.332 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

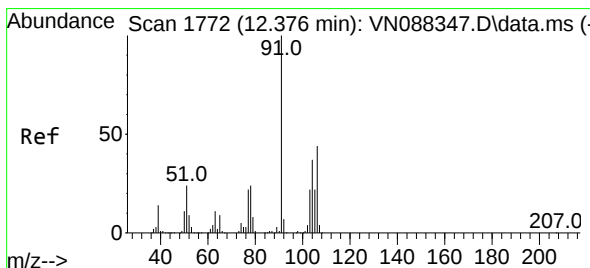
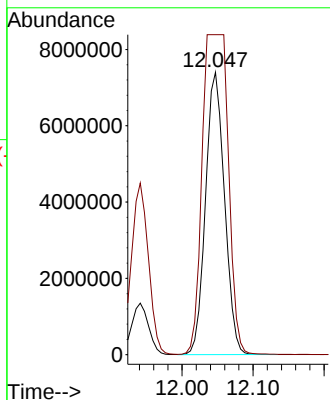
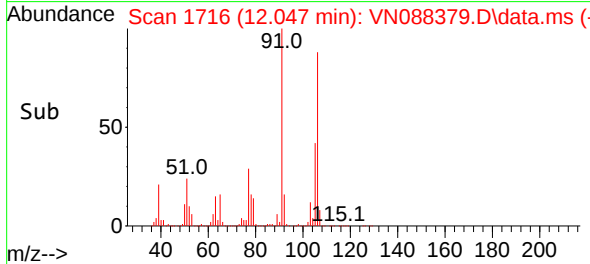
Instrument :
MSVOA_N
ClientSampleId :
MW7



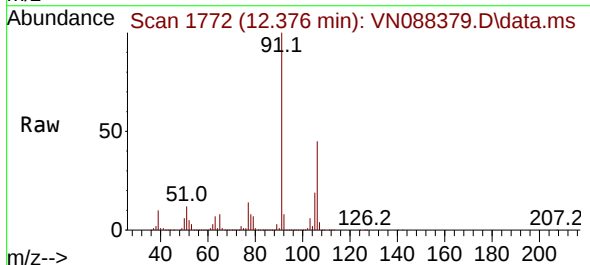
Tgt Ion:106 Resp:13748388
Ion Ratio Lower Upper
106 100
91 0.0 167.8 251.6

Manual Integrations
APPROVED

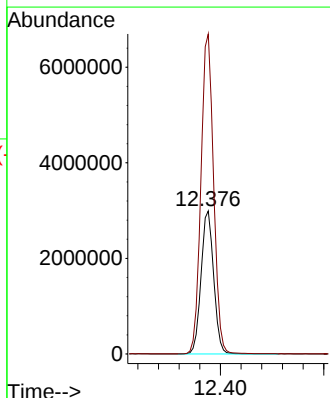
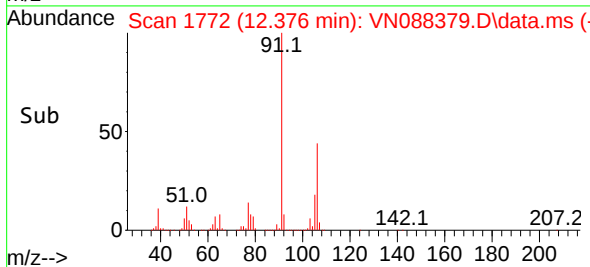
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

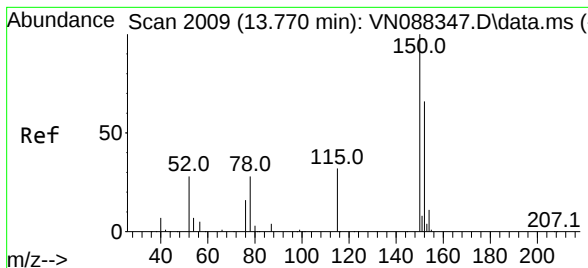


#69
o-Xylene
Concen: 913.674 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52



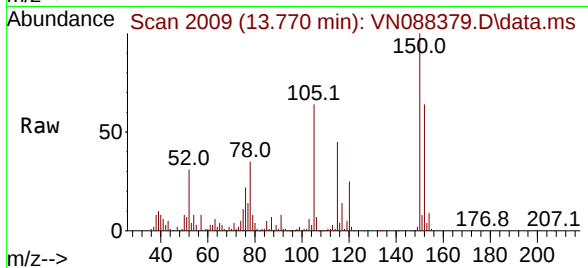
Tgt Ion:106 Resp: 5054489
Ion Ratio Lower Upper
106 100
91 224.7 112.9 338.7





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

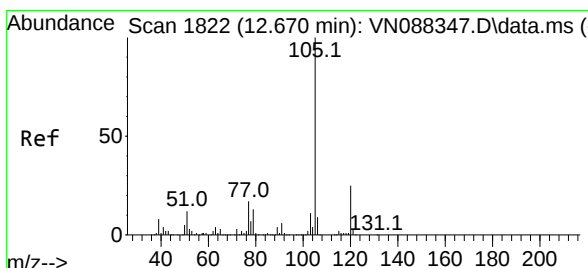
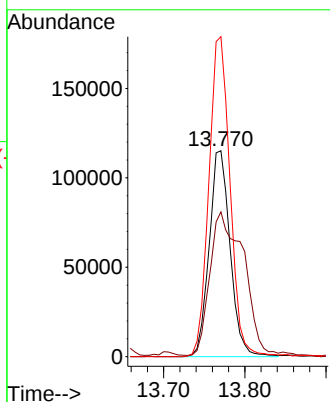
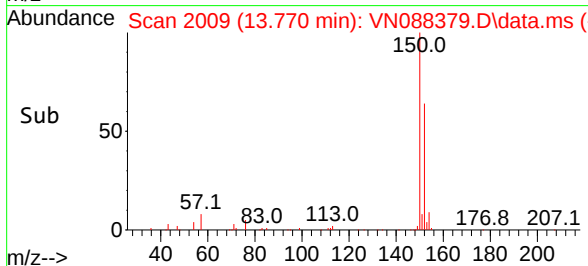
Instrument :
MSVOA_N
ClientSampleId :
MW7



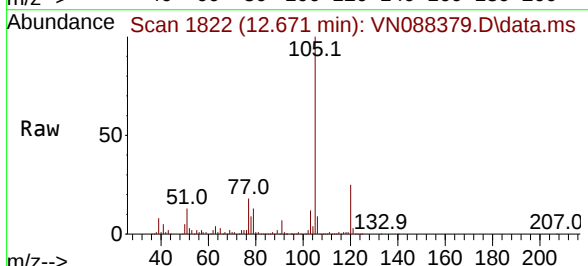
Tgt Ion:152 Resp: 20635
Ion Ratio Lower Upper
152 100
115 113.9 33.0 98.9
150 157.3 0.0 349.0

Manual Integrations
APPROVED

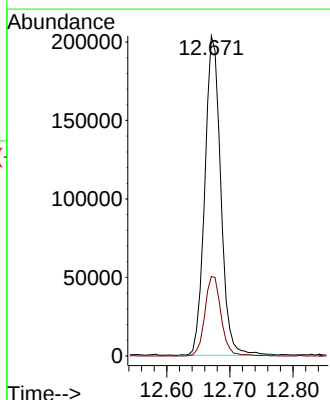
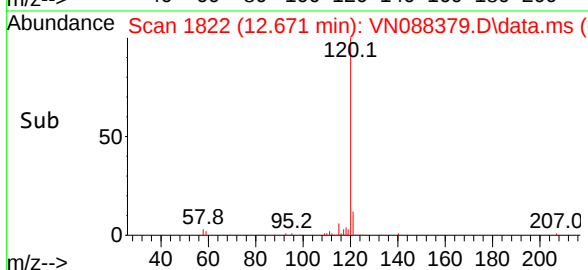
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

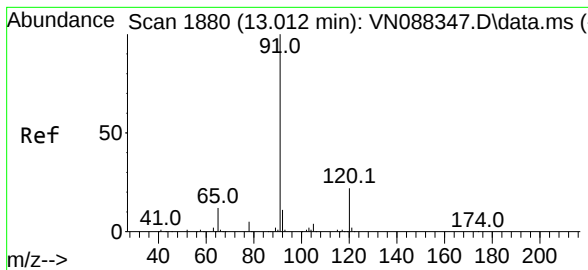


#73
Isopropylbenzene
Concen: 23.385 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52



Tgt Ion:105 Resp: 356793
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.3





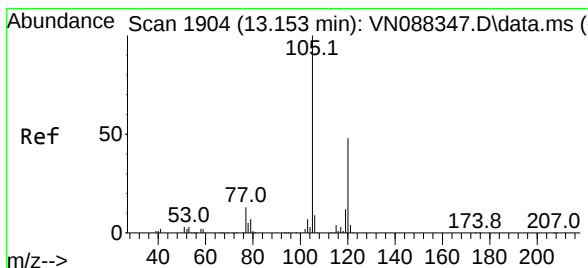
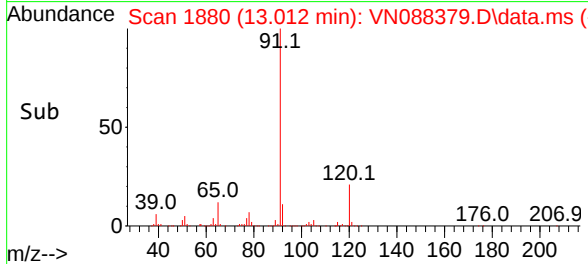
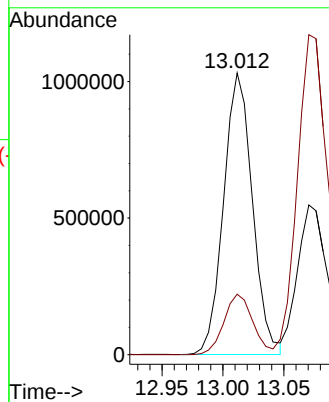
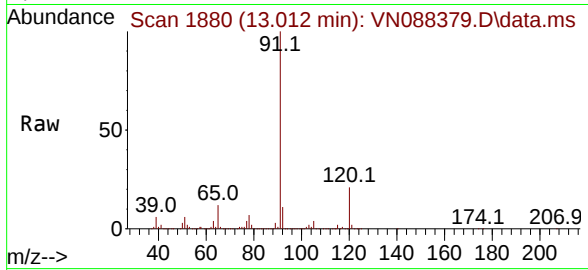
#78
n-propylbenzene
Concen: 91.027 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion: 91 Resp: 1699094
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.6

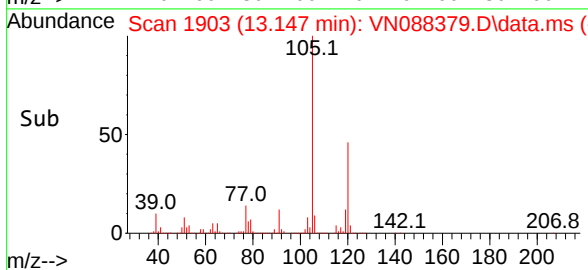
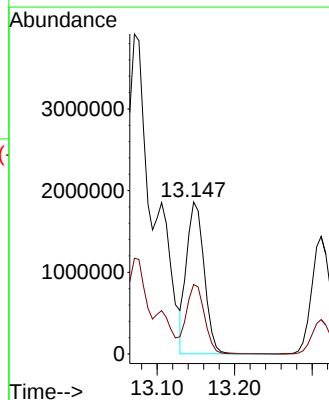
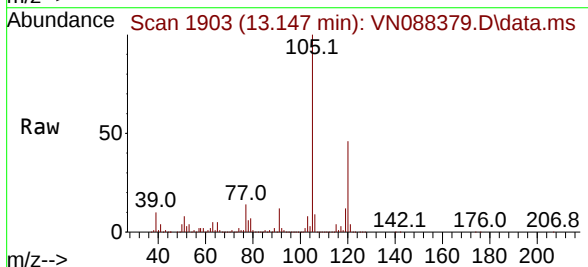
Manual Integrations
APPROVED

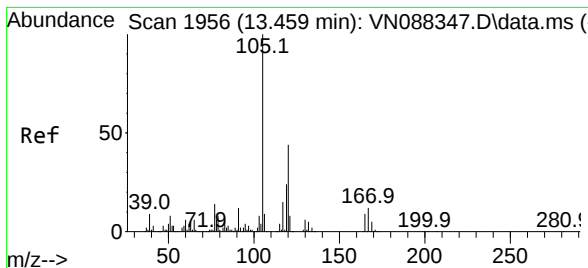
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#80
1,3,5-Trimethylbenzene
Concen: 230.496 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

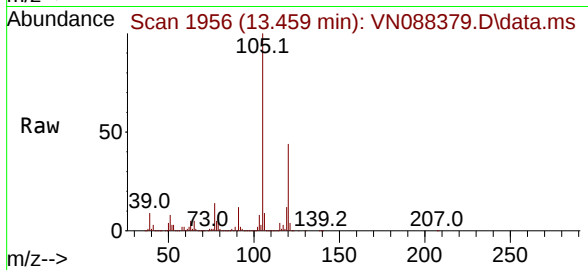
Tgt Ion:105 Resp: 2914167
Ion Ratio Lower Upper
105 100
120 48.8 23.8 71.5





#84
1,2,4-Trimethylbenzene
Concen: 853.409 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

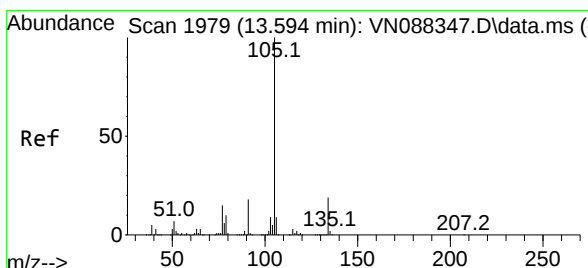
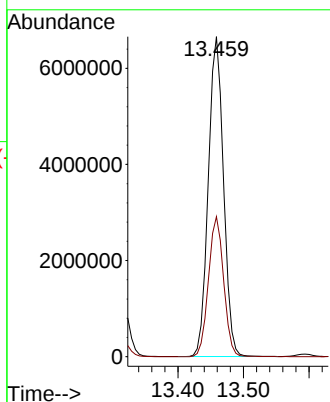
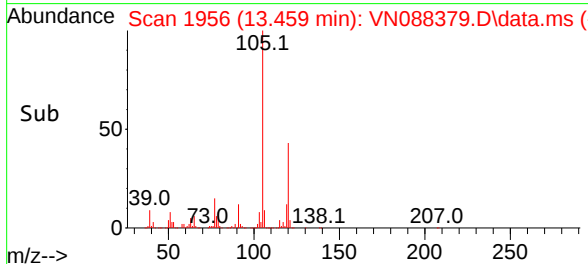
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion:105 Resp:10724500
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.1

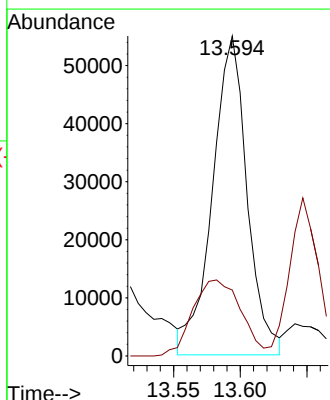
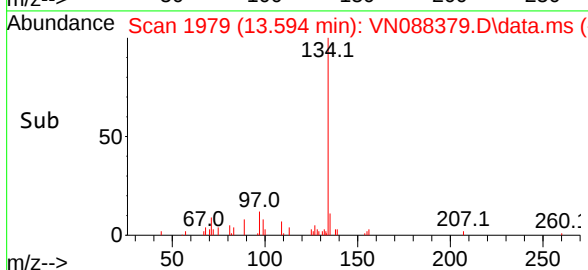
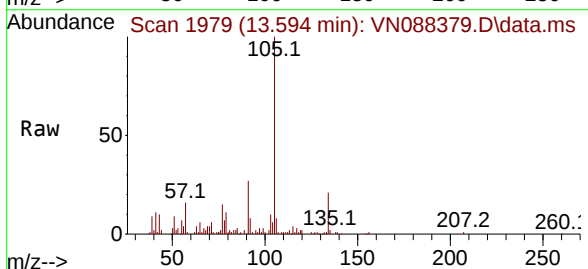
Manual Integrations
APPROVED

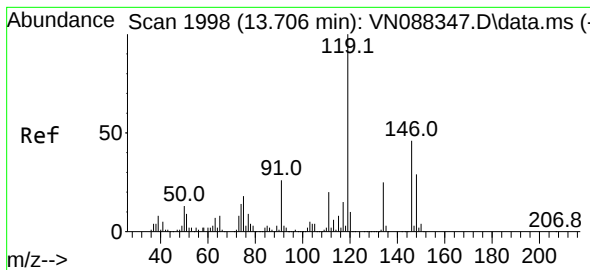
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#85
sec-Butylbenzene
Concen: 6.426 ug/l m
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Tgt Ion:105 Resp: 99221
Ion Ratio Lower Upper
105 100
134 0.0 9.5 28.5#





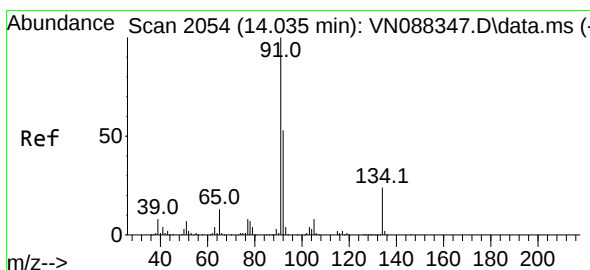
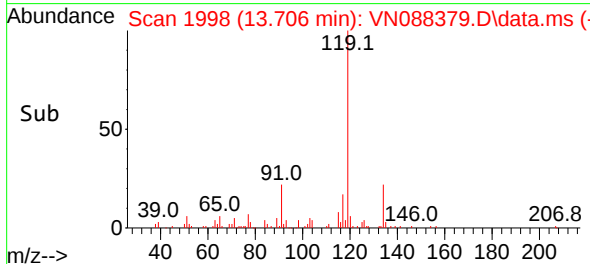
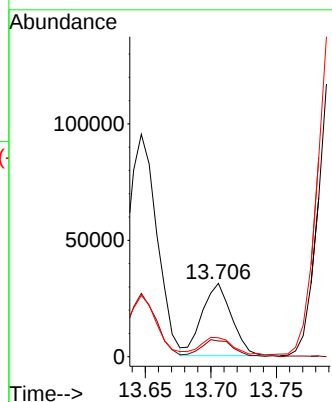
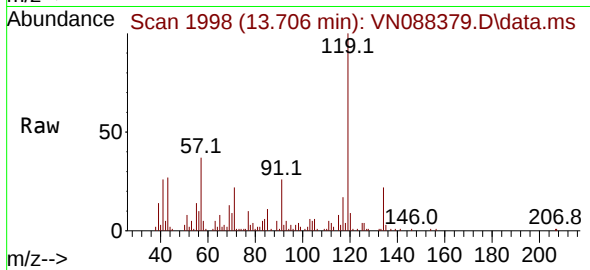
#86
p-Isopropyltoluene
Concen: 3.854 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion:119 Resp: 48795
Ion Ratio Lower Upper
119 100
134 25.8 12.2 36.6
91 0.0 13.0 39.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#89
n-Butylbenzene
Concen: 14.059 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Tgt Ion: 91 Resp: 172834
Ion Ratio Lower Upper
91 100
92 65.9 26.1 78.3
134 0.0 11.7 35.1

