

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085377.D
 Acq On : 02 Jan 2025 13:08
 Operator : JC\MD
 Sample : P5399-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35TH AVE (DEC)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/02/2025
 Supervised By : Mahesh Dadoda 01/03/2025

Quant Time: Jan 02 13:54:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	27625	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	134721	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.864	117	130305	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	72180	29.702	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.000%		
60) 4-Bromofluorobenzene	12.847	95	55707	26.392	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	87.967%		
63) Toluene-d8	10.565	98	176337	27.714	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	92.367%		
Target Compounds						
					Qvalue	
15) Acetone	4.430	58	16661	67.004	ug/l	94
16) Carbon Disulfide	4.724	76	13171m	2.539	ug/l	
30) 2-Butanone	7.482	43	13413	10.864	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	12444	4.711	ug/l	98
62) Toluene	10.629	91	736677	92.022	ug/l	100
66) Ethyl Benzene	11.964	91	1725	0.205	ug/l	92
67) m/p-Xylenes	12.059	106	1671	0.529	ug/l	83
68) o-Xylene	12.400	106	811m	0.269	ug/l	
80) 1,2,4-Trimethylbenzene	13.482	105	7574	1.180	ug/l	91
82) p-Isopropyltoluene	13.723	119	8378	1.336	ug/l	95
91) Naphthalene	15.641	128	5757	1.143	ug/l	98

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

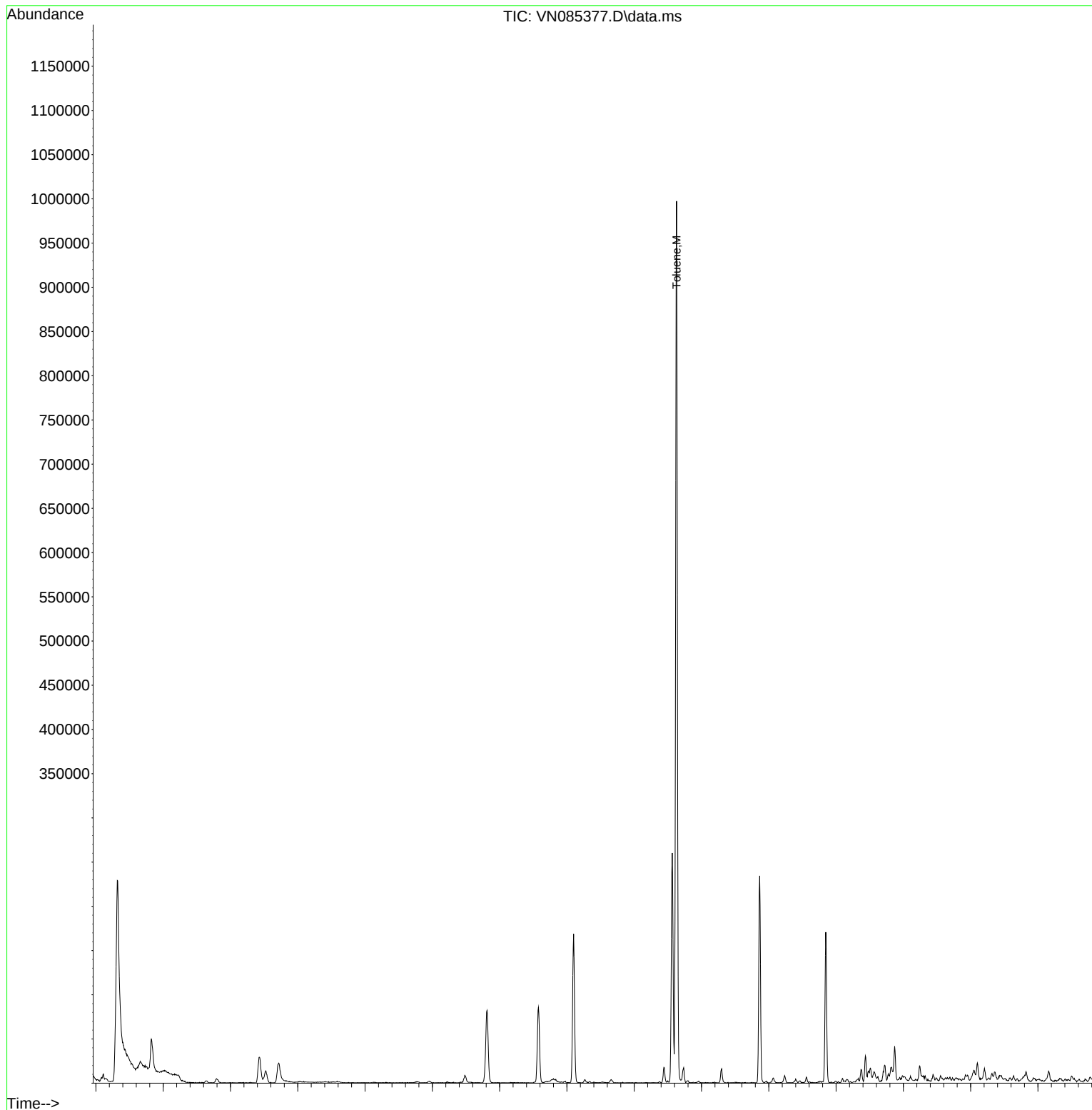
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
Data File : VN085377.D
Acq On : 02 Jan 2025 13:08
Operator : JC\MD
Sample : P5399-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

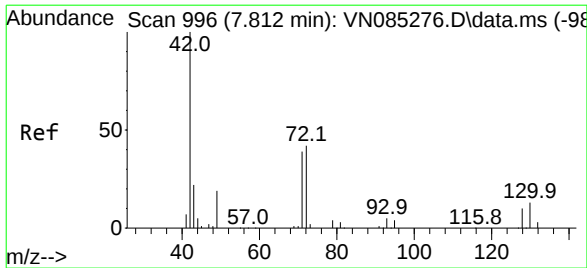
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (DEC)

Quant Time: Jan 02 13:54:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

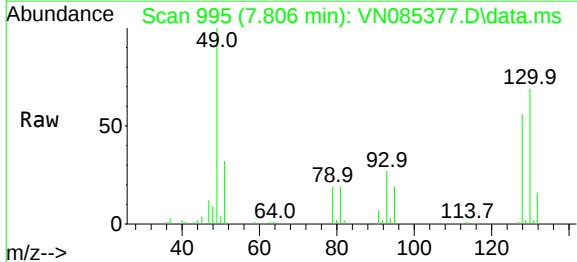
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

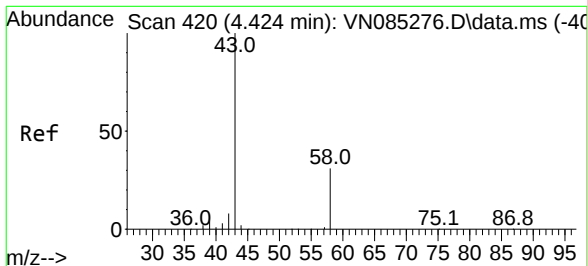
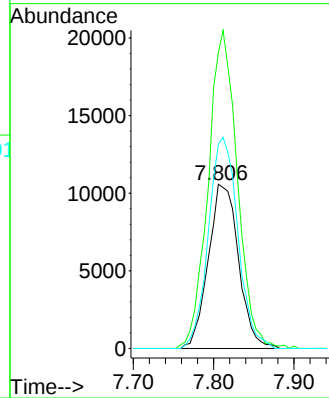
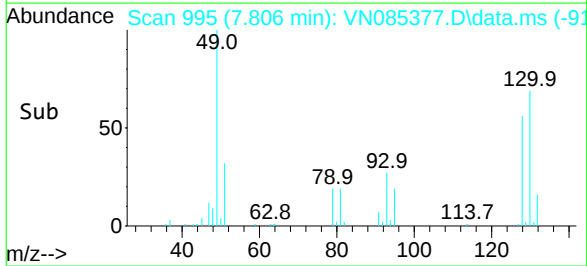
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (DEC)



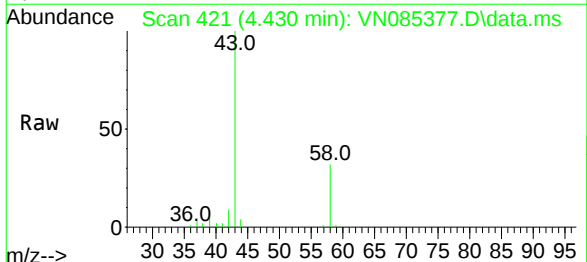
Tgt Ion:128 Resp: 27625
Ion Ratio Lower Upper
128 100
49 186.7 0.0 497.8
130 125.9 0.0 328.5

Manual Integrations
APPROVED

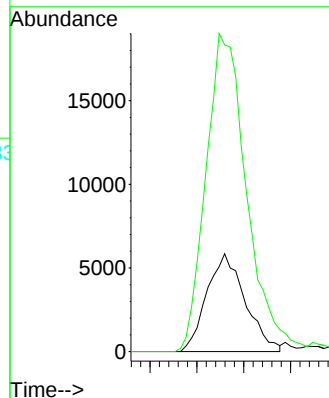
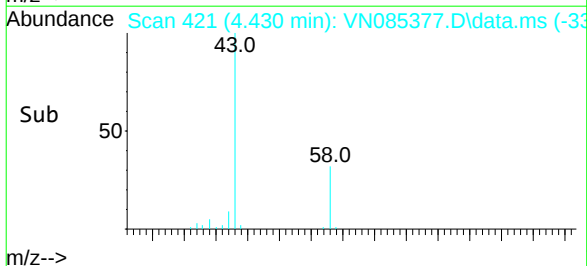
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025

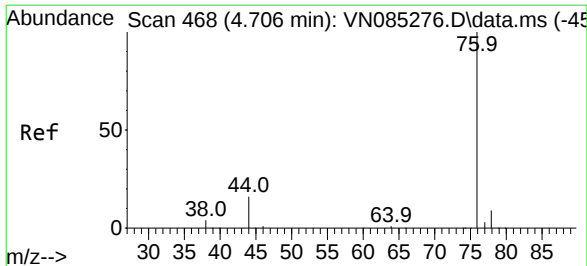


#15
Acetone
Concen: 67.004 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08



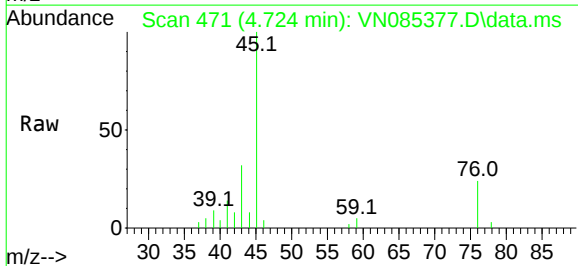
Tgt Ion: 58 Resp: 16661
Ion Ratio Lower Upper
58 100
43 310.3 258.8 388.2





#16
Carbon Disulfide
Concen: 2.539 ug/l m
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

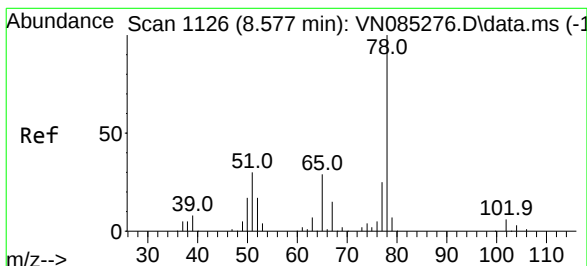
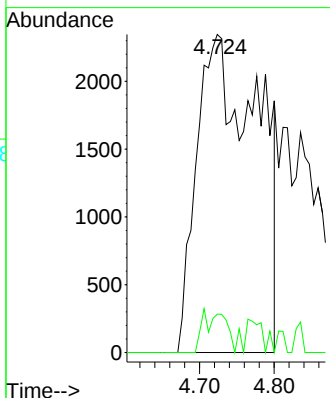
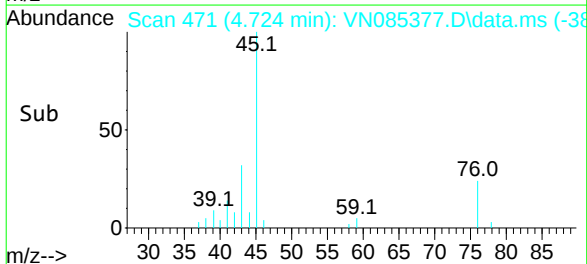
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (DEC)



Tgt Ion: 76 Resp: 13171
Ion Ratio Lower Upper
76 100
78 12.1 6.6 9.8#

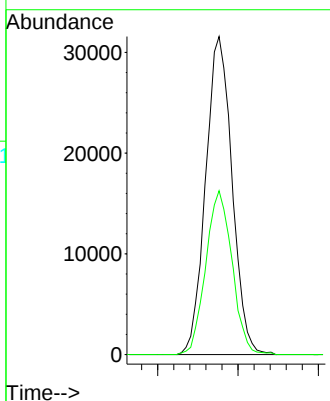
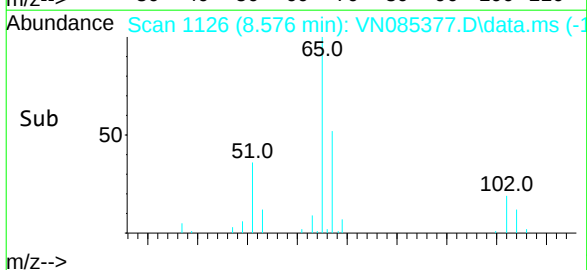
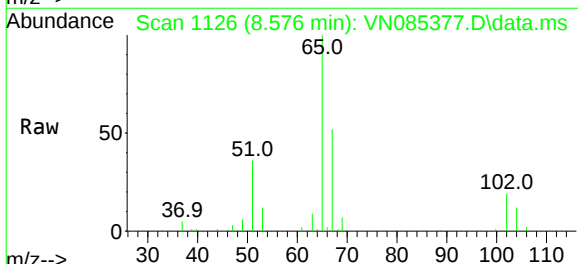
Manual Integrations
APPROVED

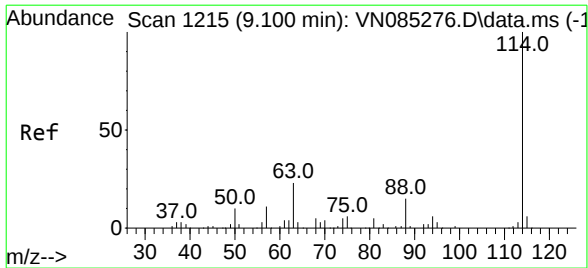
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#27
1,2-Dichloroethane-d4
Concen: 29.702 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

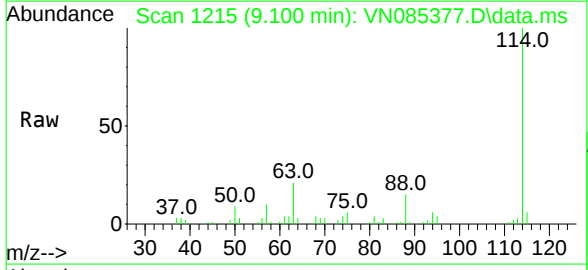
Tgt Ion: 65 Resp: 72180
Ion Ratio Lower Upper
65 100
67 51.2 42.0 63.0





#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 12
 Delta R.T. -0.000 min
 Lab File: VN085377.D
 Acq: 02 Jan 2025 13:08

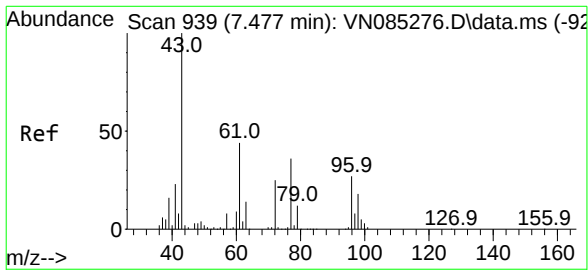
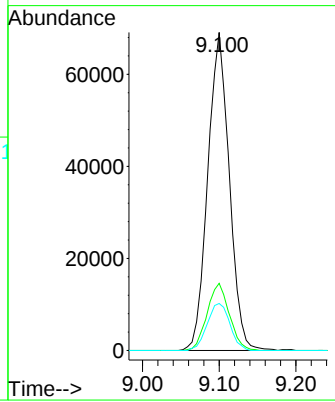
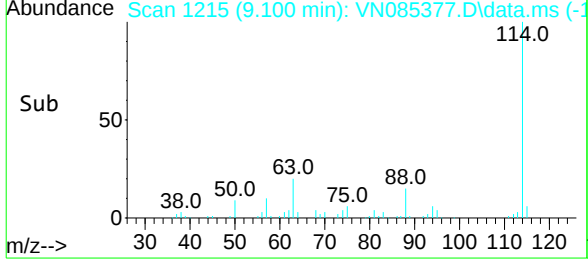
Instrument :
 MSVOA_N
 ClientSampleId :
 002 35TH AVE (DEC)



Tgt Ion:	114	Resp:	134721
Ion Ratio	Lower	Upper	
114	100		
63	21.8	18.0	27.0
88	15.6	12.9	19.3

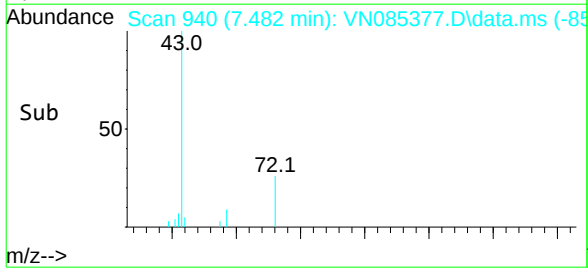
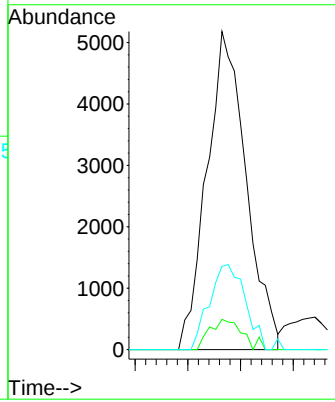
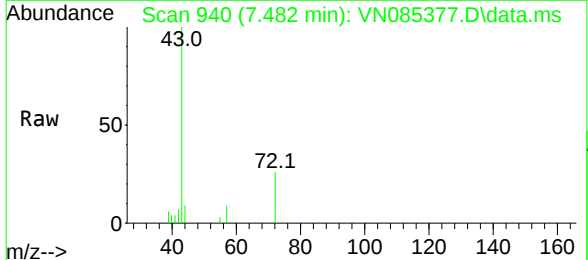
Manual Integrations
 APPROVED

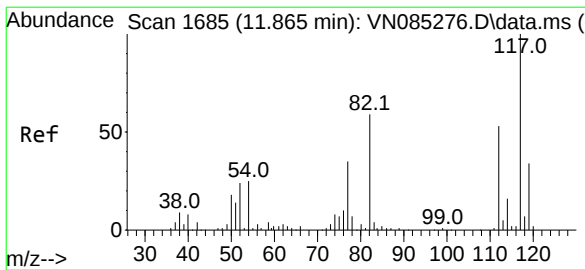
Reviewed By :John Carlone 01/02/2025
 Supervised By :Mahesh Dadoda 01/03/2025



#30
 2-Butanone
 Concen: 10.864 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN085377.D
 Acq: 02 Jan 2025 13:08

Tgt Ion:	43	Resp:	13413
Ion Ratio	Lower	Upper	
43	100		
57	7.4	6.2	9.2
72	24.3	19.9	29.9





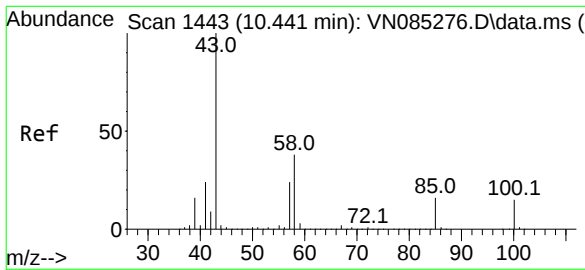
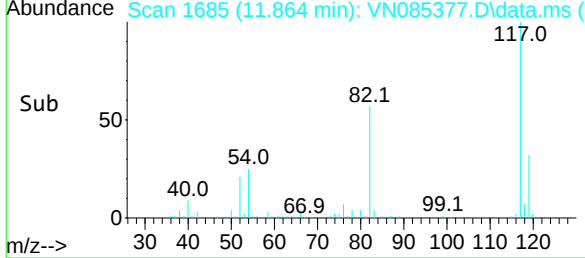
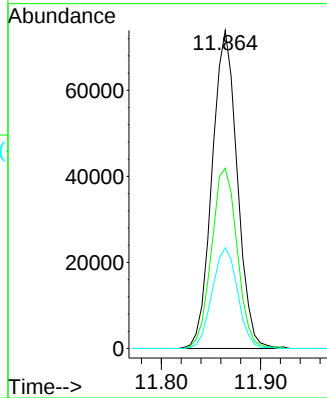
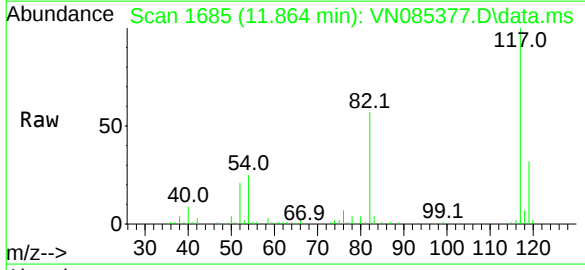
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (DEC)

Tgt Ion: 117 Resp: 130305
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.0
119 32.0 25.3 37.9

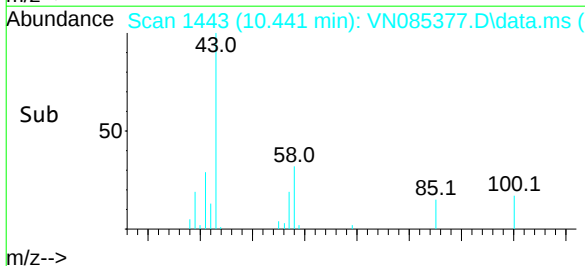
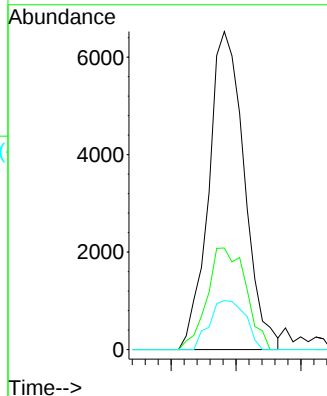
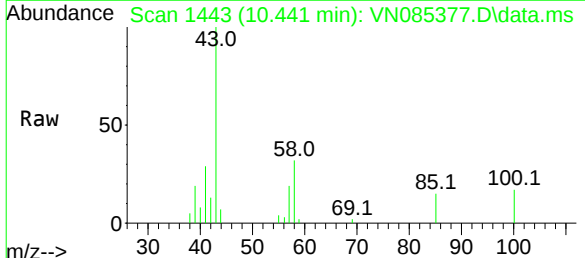
Manual Integrations
APPROVED

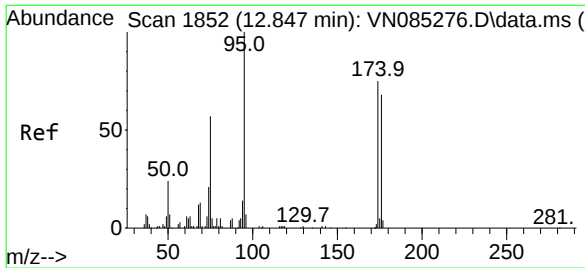
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#58
4-Methyl-2-Pentanone
Concen: 4.711 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

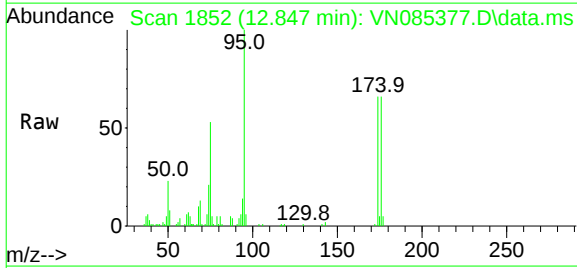
Tgt Ion: 43 Resp: 12444
Ion Ratio Lower Upper
43 100
58 34.8 29.2 43.8
85 15.6 12.8 19.2





#60
4-Bromofluorobenzene
Concen: 26.392 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

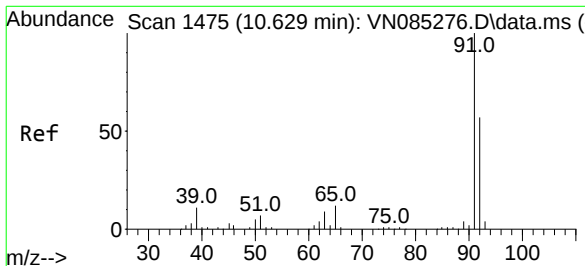
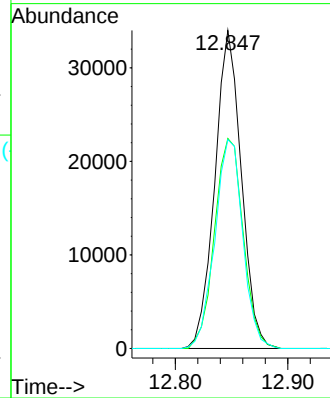
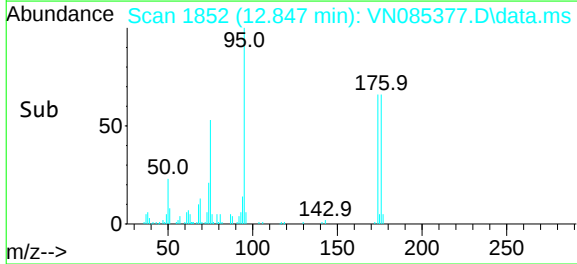
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (DEC)



Tgt Ion: 95 Resp: 55707
Ion Ratio Lower Upper
95 100
174 71.4 57.8 86.8
176 69.1 57.1 85.7

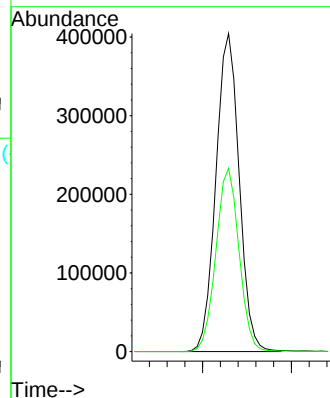
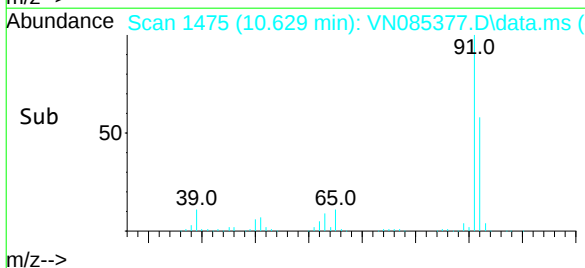
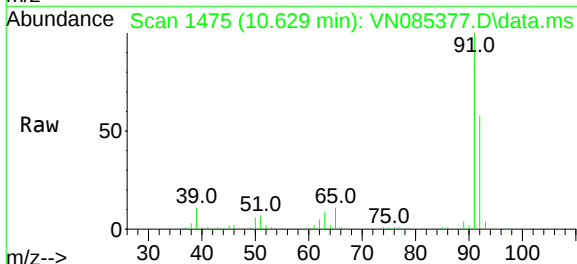
Manual Integrations
APPROVED

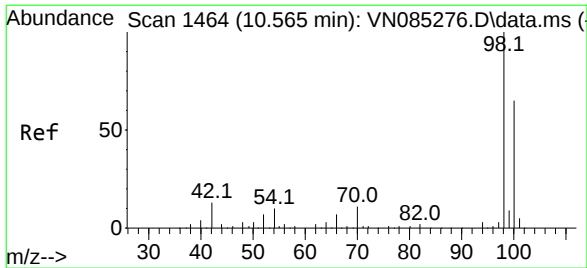
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#62
Toluene
Concen: 92.022 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

Tgt Ion: 91 Resp: 736677
Ion Ratio Lower Upper
91 100
92 57.1 45.9 68.9





#63

Toluene-d8

Concen: 27.714 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN085377.D

Acq: 02 Jan 2025 13:08

Instrument :

MSVOA_N

ClientSampleId :

002 35TH AVE (DEC)

Tgt Ion: 98 Resp: 176337

Ion Ratio Lower Upper

98 100

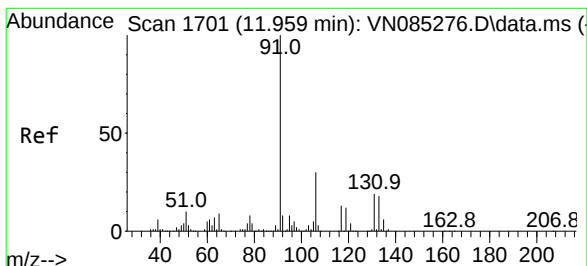
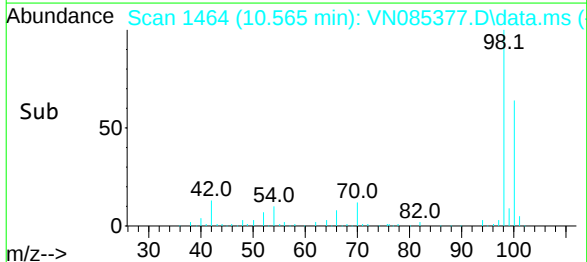
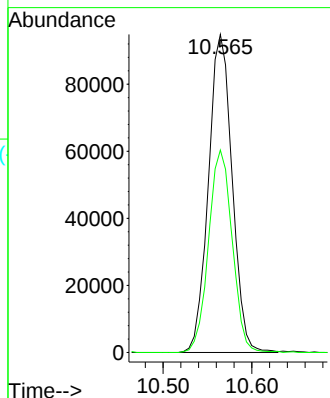
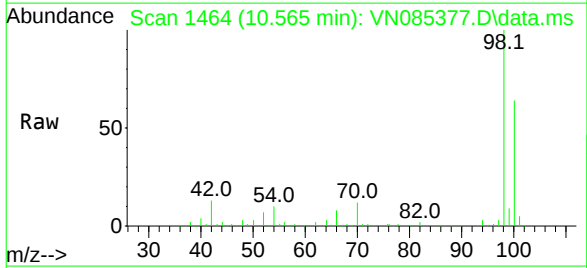
100 63.3 50.8 76.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/02/2025

Supervised By :Mahesh Dadoda 01/03/2025



#66

Ethyl Benzene

Concen: 0.205 ug/l

RT: 11.964 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN085377.D

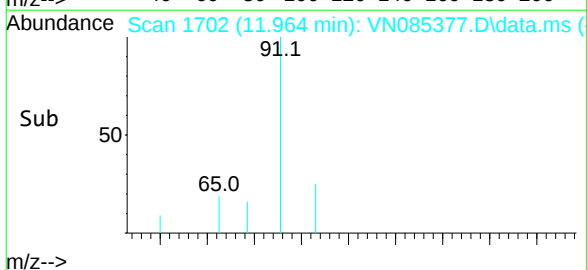
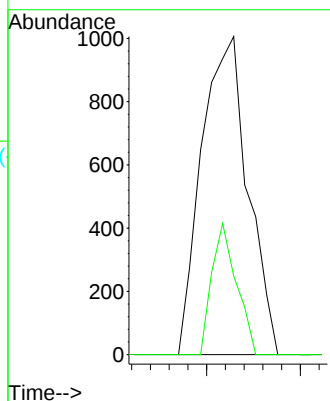
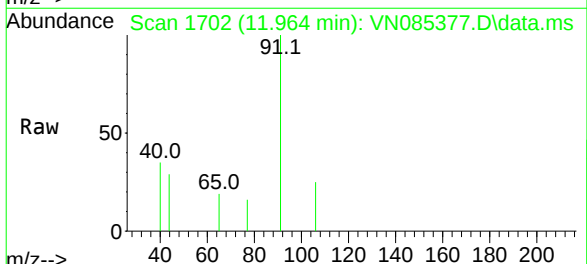
Acq: 02 Jan 2025 13:08

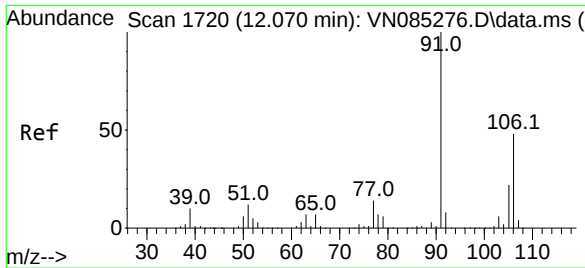
Tgt Ion: 91 Resp: 1725

Ion Ratio Lower Upper

91 100

106 24.8 23.2 34.8





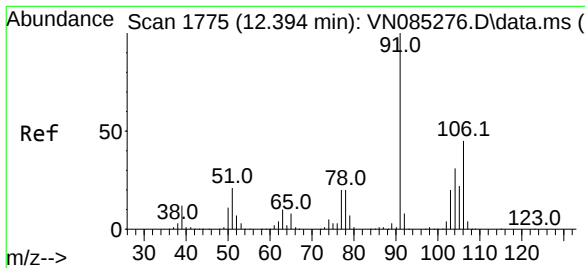
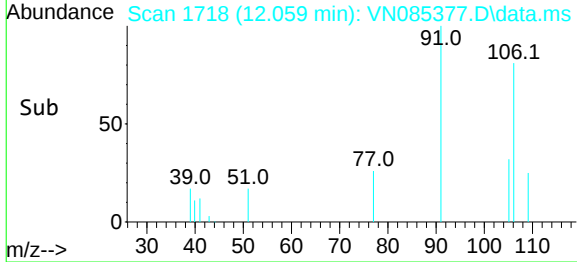
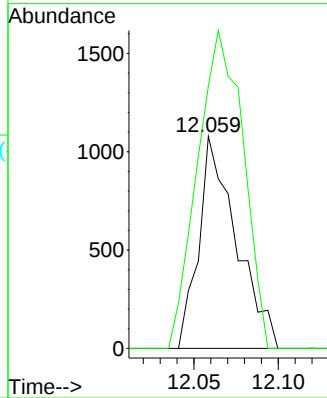
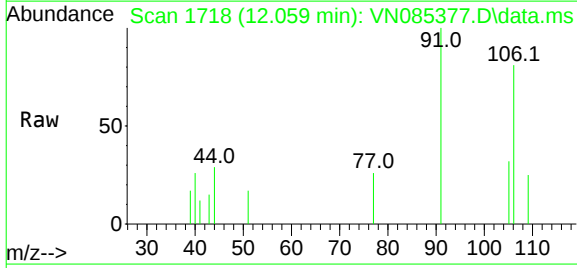
#67
m/p-Xylenes
Concen: 0.529 ug/l
RT: 12.059 min Scan# 1718
Delta R.T. -0.012 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (DEC)

Tgt Ion:106 Resp: 1671
Ion Ratio Lower Upper
106 100
91 182.0 167.0 250.4

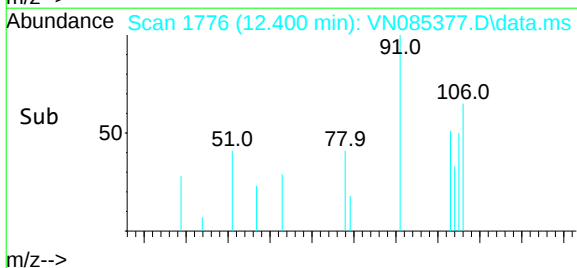
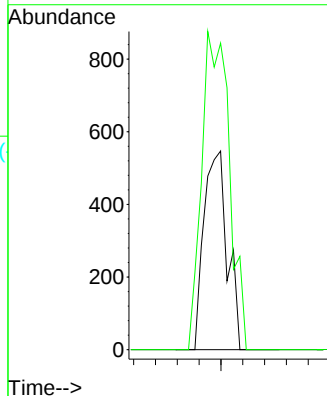
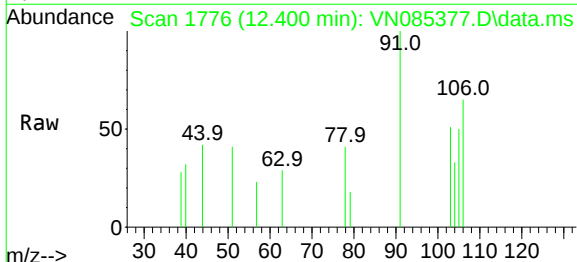
Manual Integrations
APPROVED

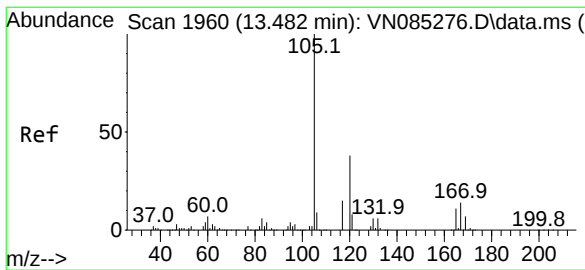
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#68
o-Xylene
Concen: 0.269 ug/l m
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

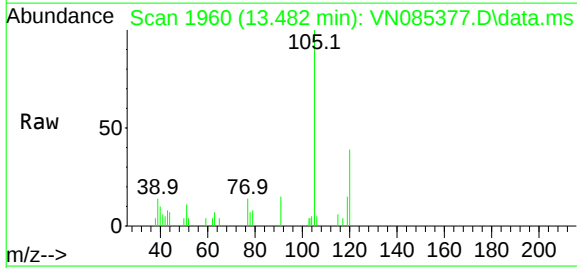
Tgt Ion:106 Resp: 811
Ion Ratio Lower Upper
106 100
91 375.0 110.6 331.8#





#80
1,2,4-Trimethylbenzene
Concen: 1.180 ug/l
RT: 13.482 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

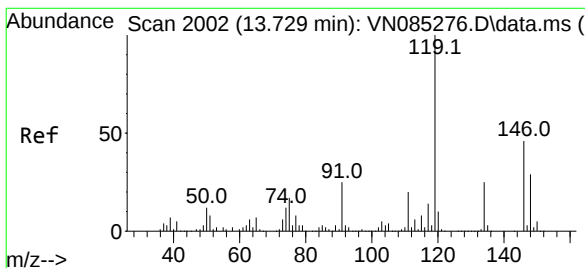
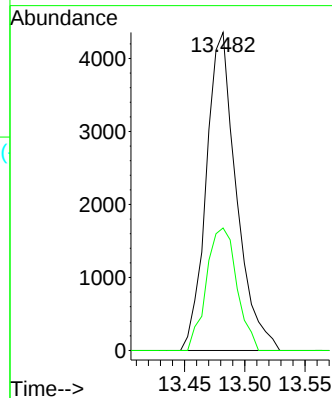
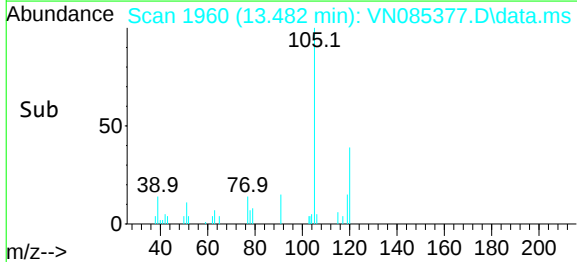
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (DEC)



Tgt Ion:105 Resp: 7574
Ion Ratio Lower Upper
105 100
120 38.8 0.0 89.8

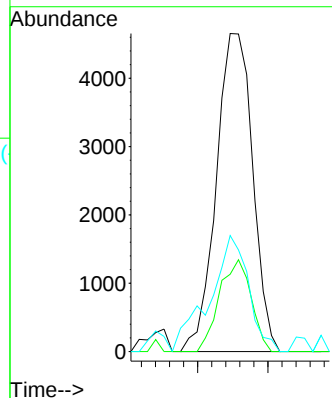
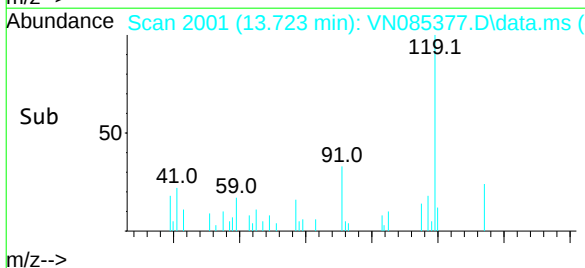
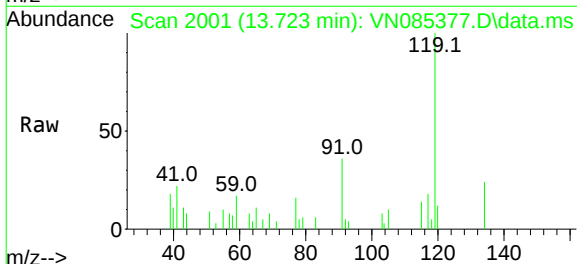
Manual Integrations
APPROVED

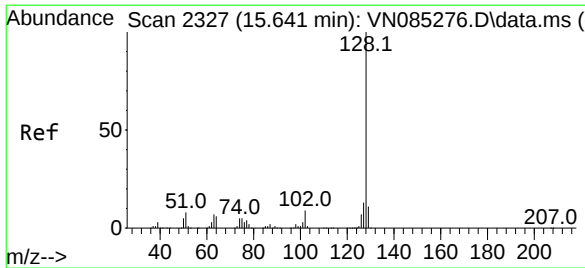
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#82
p-Isopropyltoluene
Concen: 1.336 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

Tgt Ion:119 Resp: 8378
Ion Ratio Lower Upper
119 100
134 25.2 0.0 51.4
91 30.6 0.0 51.4





#91
Naphthalene
Concen: 1.143 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085377.D
Acq: 02 Jan 2025 13:08

Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (DEC)

Tgt Ion:	128	Resp:	5757
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.6	16.0
129	11.4	8.6	13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025

