

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085376.D
 Acq On : 02 Jan 2025 12:44
 Operator : JC\MD
 Sample : P5399-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001 WILLETS PT BLVD (DEC)

Manual Integrations
 APPROVED

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

Quant Time: Jan 02 13:54:28 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	7.812	128	29248	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	147571	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	145951	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	78776	30.617	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.067%			
60) 4-Bromofluorobenzene	12.847	95	59747	25.272	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.233%			
63) Toluene-d8	10.565	98	195621	27.449	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 91.500%			
Target Compounds						
15) Acetone	4.424	58	16448	62.477	ug/l	Qvalue 87
16) Carbon Disulfide	4.724	76	13576m	2.472	ug/l	
30) 2-Butanone	7.488	43	13124	9.704	ug/l #	95
62) Toluene	10.629	91	732741	81.719	ug/l	100
67) m/p-Xylenes	12.076	106	1393	0.394	ug/l	97
68) o-Xylene	12.406	106	756m	0.224	ug/l	
76) 1,3,5-Trimethylbenzene	13.164	105	1470	0.203	ug/l	94
80) 1,2,4-Trimethylbenzene	13.476	105	6768	0.941	ug/l	96
82) p-Isopropyltoluene	13.729	119	7933	1.129	ug/l	94
91) Naphthalene	15.647	128	5911	1.048	ug/l #	85

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

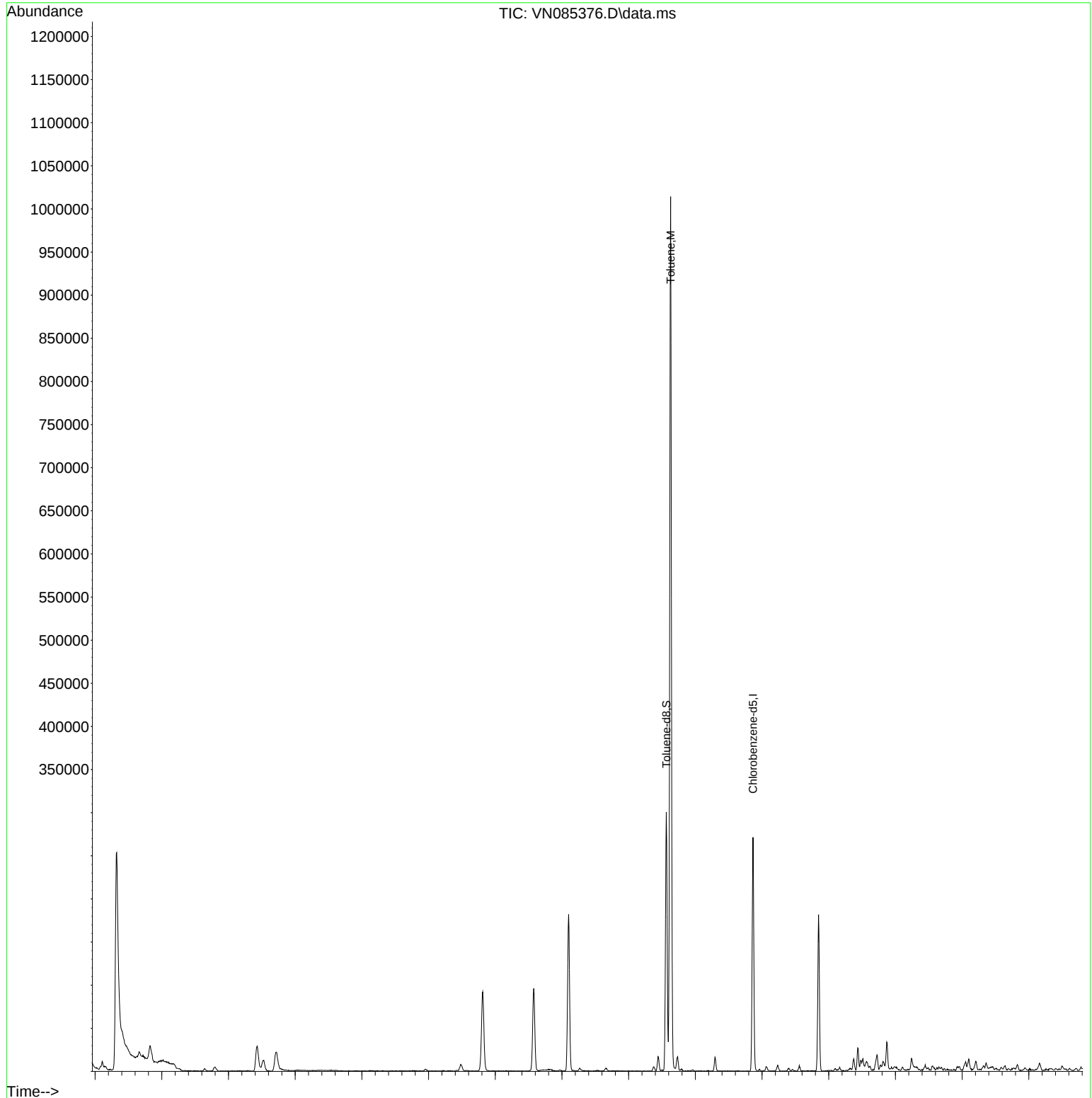
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
Data File : VN085376.D
Acq On : 02 Jan 2025 12:44
Operator : JC\MD
Sample : P5399-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

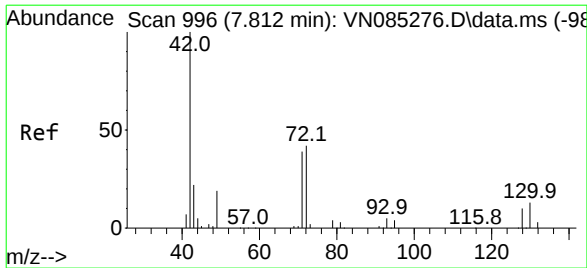
Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (DEC)

Quant Time: Jan 02 13:54:28 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





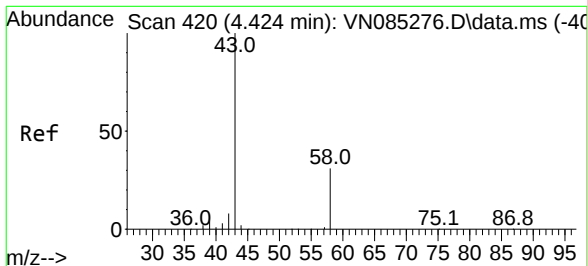
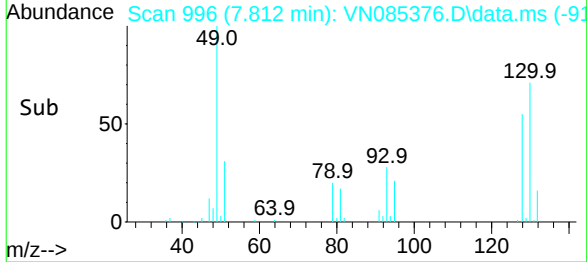
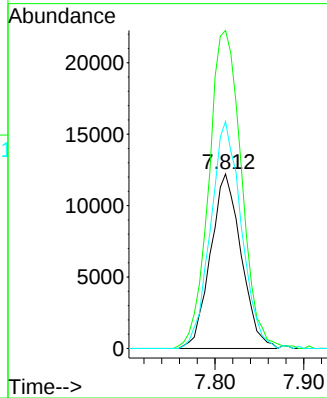
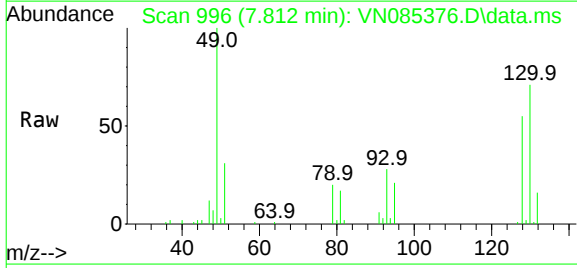
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (DEC)

Tgt Ion	Ratio	Lower	Upper
128	100		
49	193.9	0.0	497.8
130	130.5	0.0	328.5

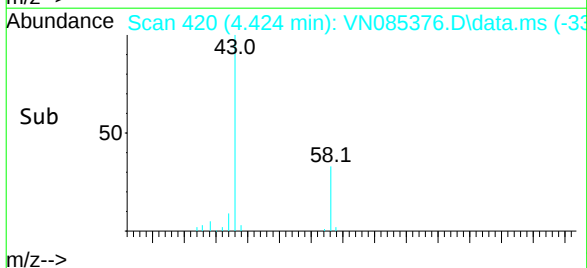
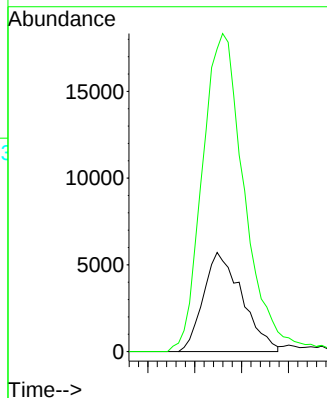
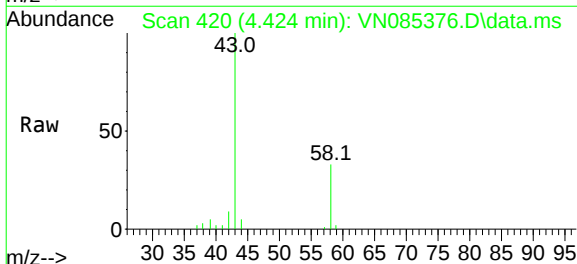
Manual Integrations
APPROVED

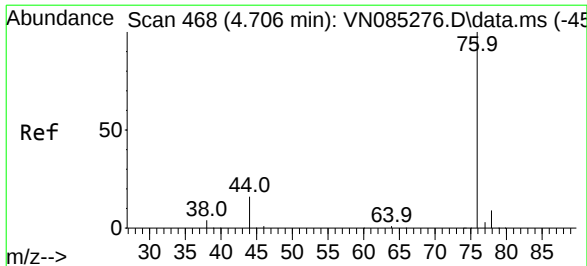
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#15
Acetone
Concen: 62.477 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

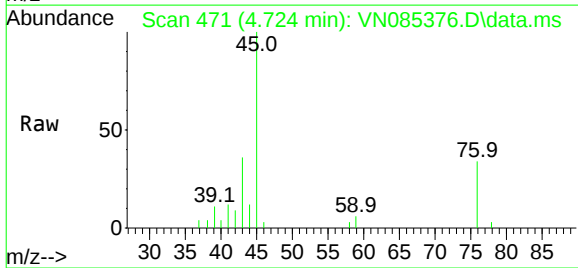
Tgt Ion	Ratio	Lower	Upper
58	100		
43	296.9	258.8	388.2





#16
Carbon Disulfide
Concen: 2.472 ug/l m
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

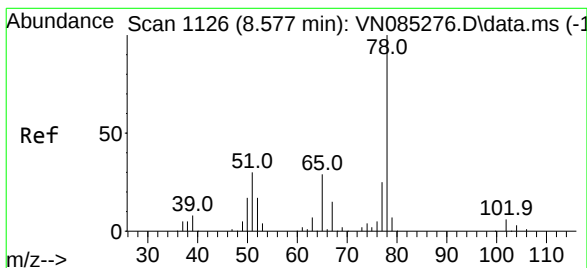
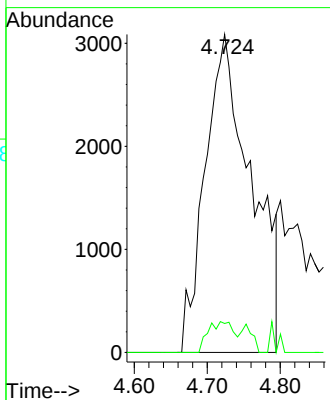
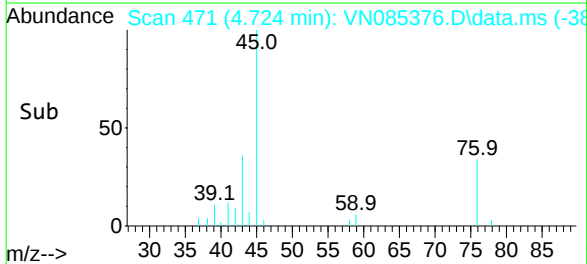
Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (DEC)



Tgt Ion: 76 Resp: 13576
Ion Ratio Lower Upper
76 100
78 9.1 6.6 9.8

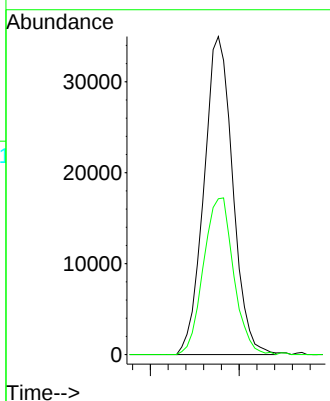
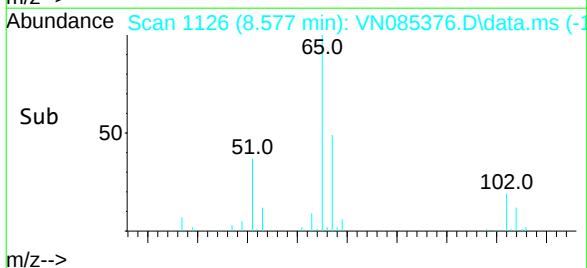
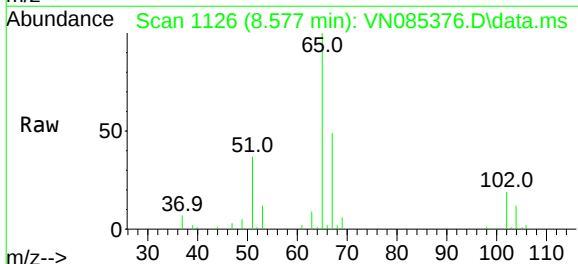
Manual Integrations
APPROVED

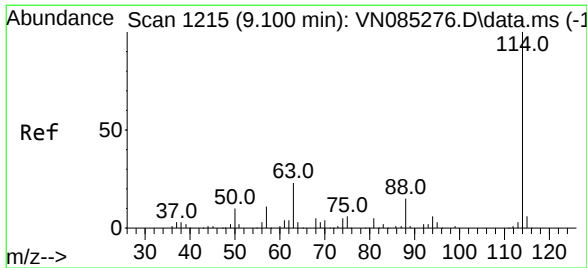
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#27
1,2-Dichloroethane-d4
Concen: 30.617 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

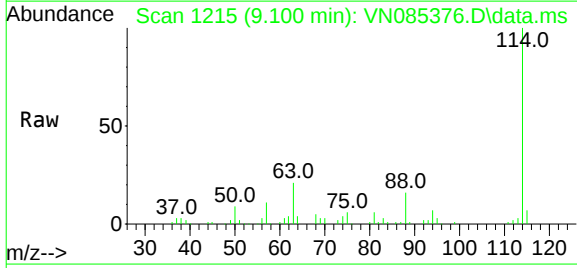
Tgt Ion: 65 Resp: 78776
Ion Ratio Lower Upper
65 100
67 51.4 42.0 63.0





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

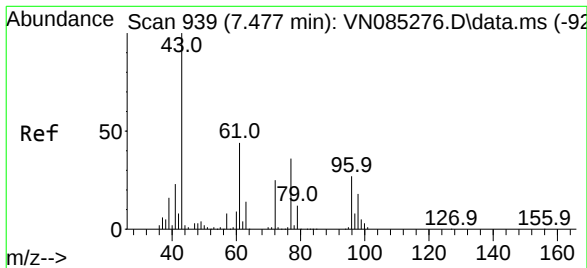
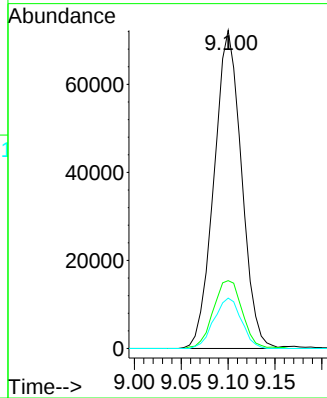
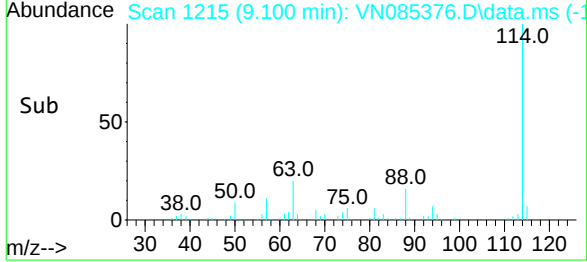
Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (DEC)



Tgt Ion: 114 Resp: 147571
Ion Ratio Lower Upper
114 100
63 22.5 18.0 27.0
88 15.7 12.9 19.3

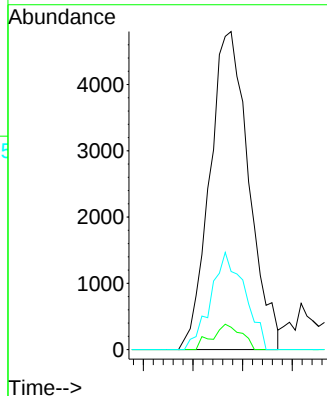
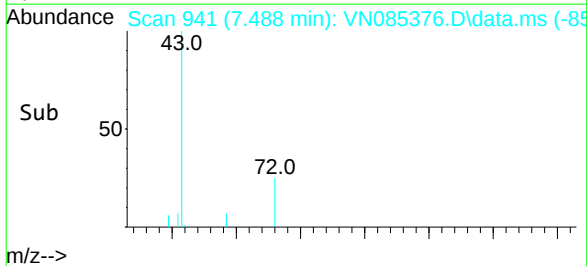
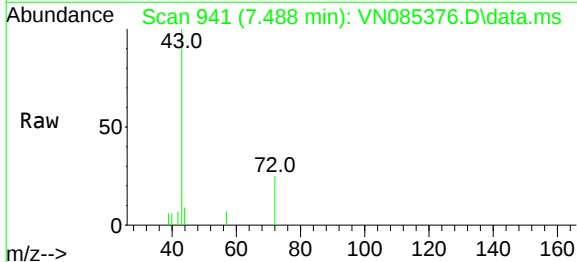
Manual Integrations
APPROVED

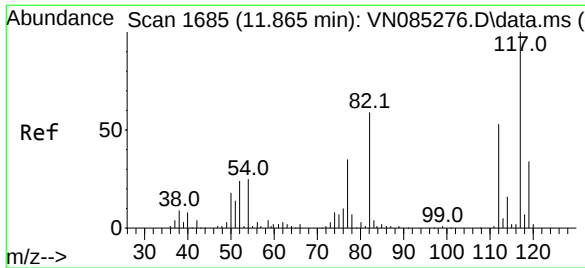
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#30
2-Butanone
Concen: 9.704 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

Tgt Ion: 43 Resp: 13124
Ion Ratio Lower Upper
43 100
57 4.5 6.2 9.2#
72 26.5 19.9 29.9





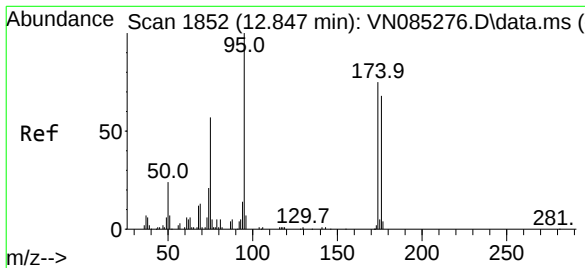
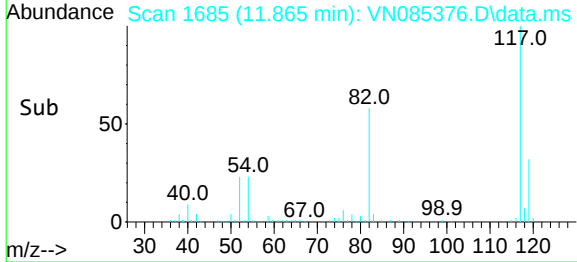
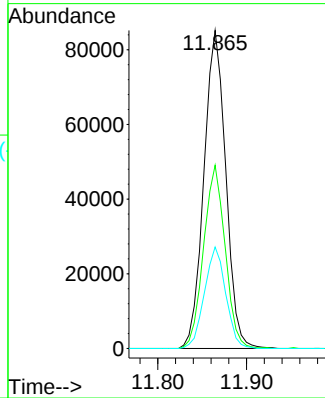
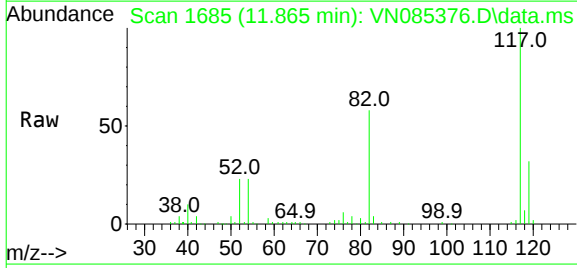
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (DEC)

Tgt Ion: 117 Resp: 145951
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.0
119 31.0 25.3 37.9

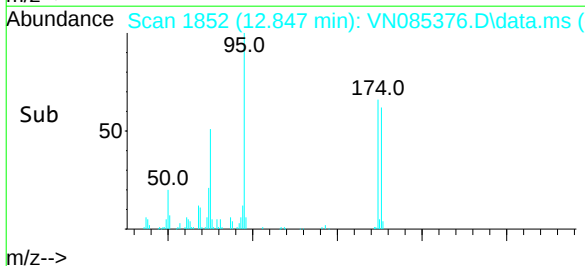
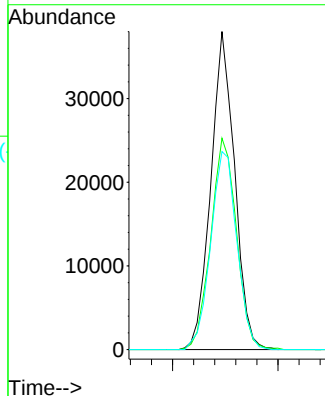
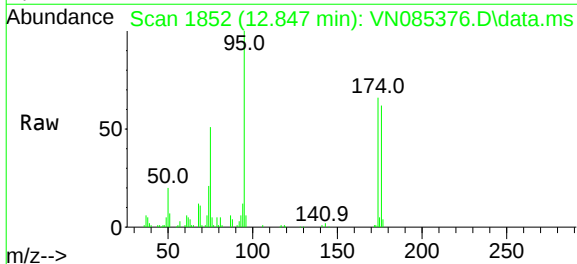
Manual Integrations
APPROVED

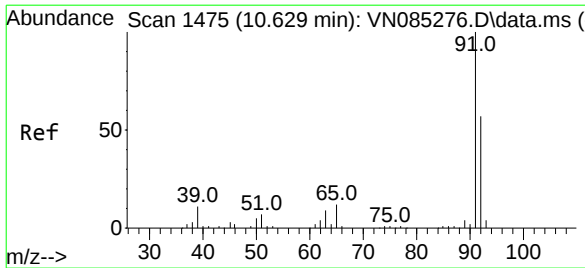
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#60
4-Bromofluorobenzene
Concen: 25.272 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

Tgt Ion: 95 Resp: 59747
Ion Ratio Lower Upper
95 100
174 71.7 57.8 86.8
176 68.3 57.1 85.7





#62

Toluene

Concen: 81.719 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN085376.D

Acq: 02 Jan 2025 12:44

Instrument :

MSVOA_N

ClientSampleId :

001 WILLETS PT BLVD (DEC)

Tgt Ion: 91 Resp: 732741

Ion Ratio Lower Upper

91 100

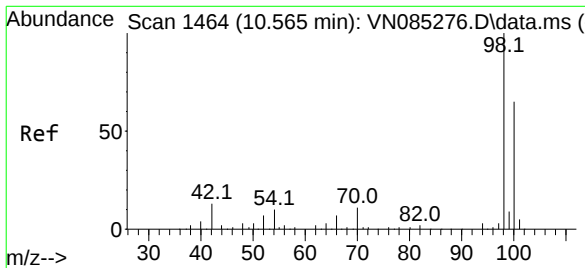
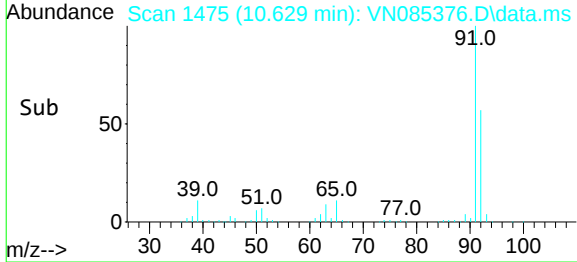
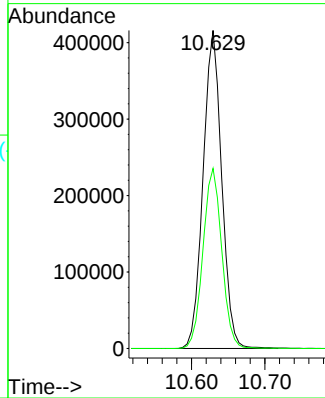
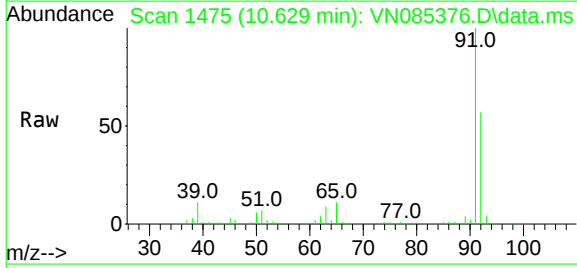
92 57.2 45.9 68.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/02/2025

Supervised By :Mahesh Dadoda 01/03/2025



#63

Toluene-d8

Concen: 27.449 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085376.D

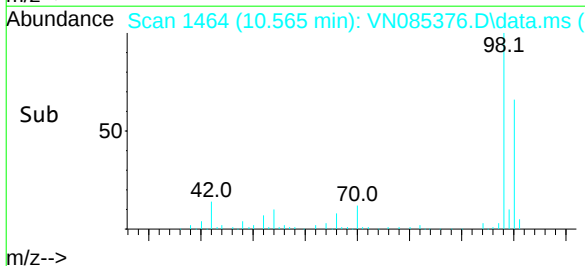
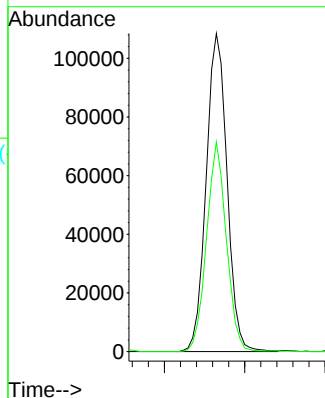
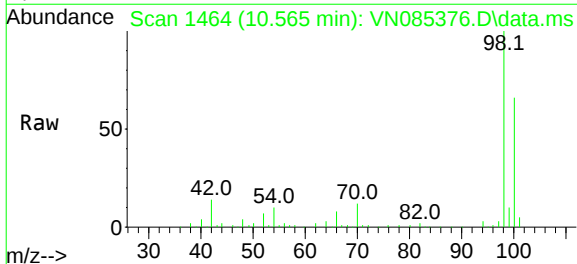
Acq: 02 Jan 2025 12:44

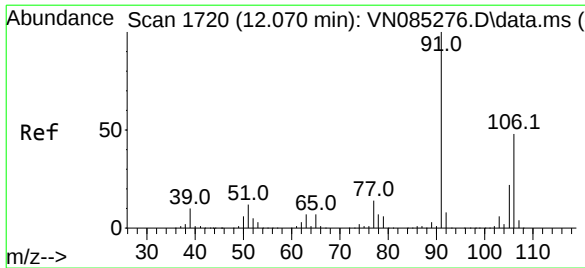
Tgt Ion: 98 Resp: 195621

Ion Ratio Lower Upper

98 100

100 62.5 50.8 76.2





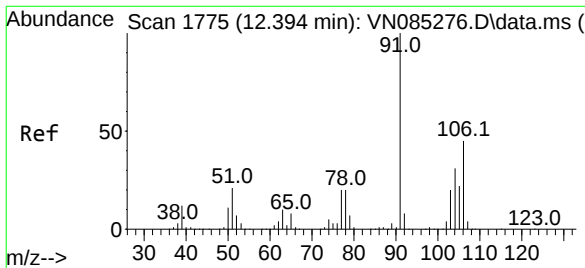
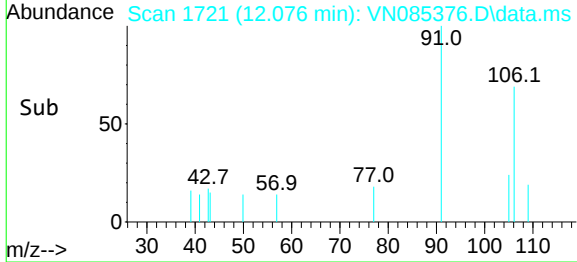
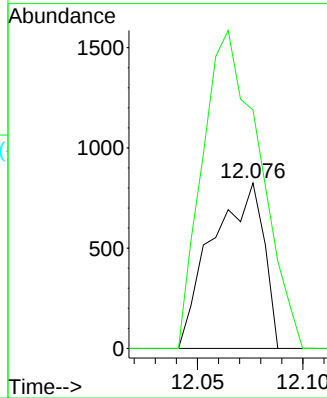
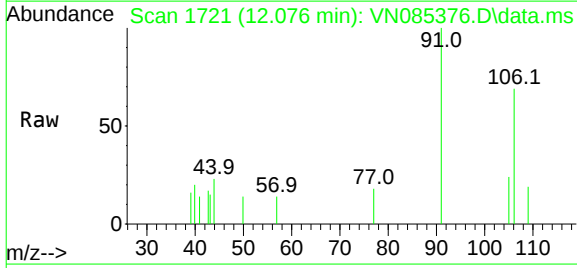
#67
m/p-Xylenes
Concen: 0.394 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (DEC)

Tgt Ion:106 Resp: 1393
Ion Ratio Lower Upper
106 100
91 213.6 167.0 250.4

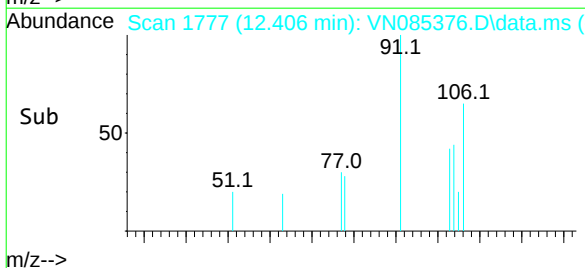
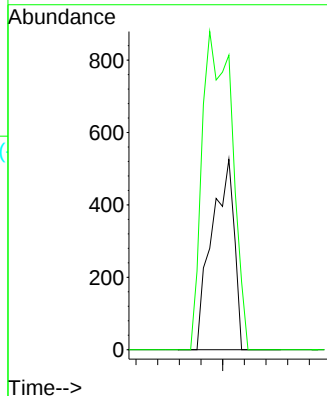
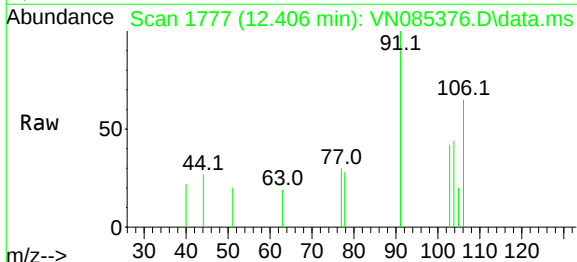
Manual Integrations
APPROVED

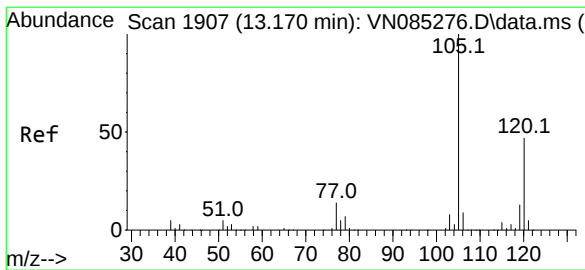
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#68
o-Xylene
Concen: 0.224 ug/l m
RT: 12.406 min Scan# 1777
Delta R.T. 0.012 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

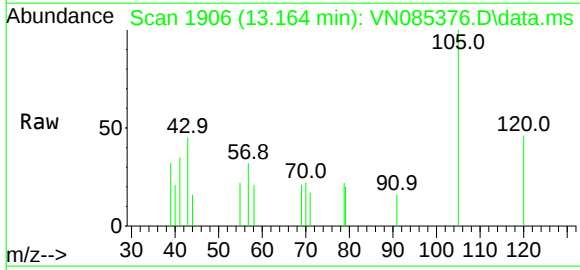
Tgt Ion:106 Resp: 756
Ion Ratio Lower Upper
106 100
91 0.0 110.6 331.8#





#76
1,3,5-Trimethylbenzene
Concen: 0.203 ug/l
RT: 13.164 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

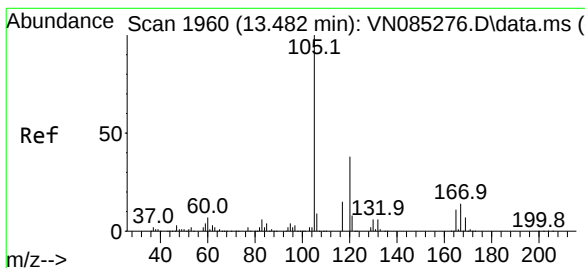
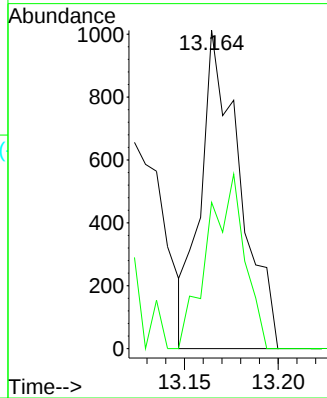
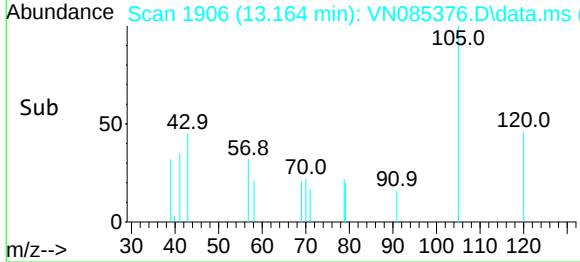
Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (DEC)



Tgt Ion:105 Resp: 1476
Ion Ratio Lower Upper
105 100
120 51.8 0.0 95.0

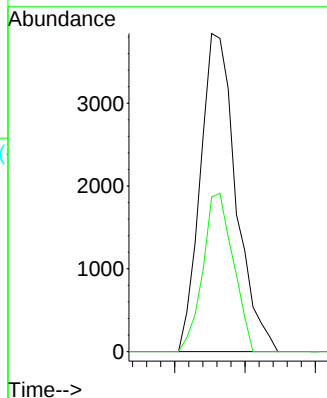
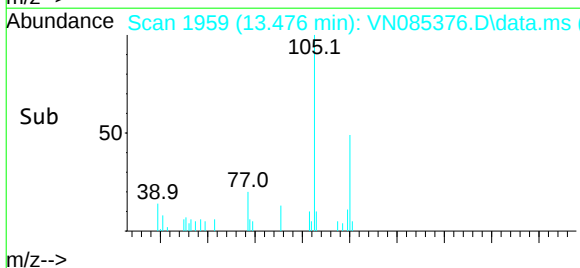
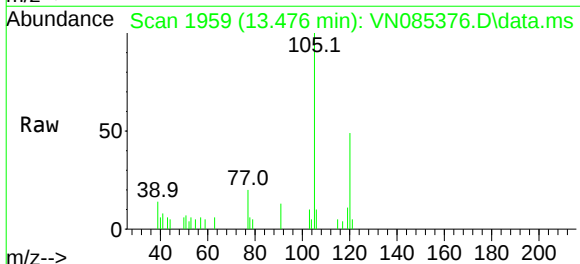
Manual Integrations
APPROVED

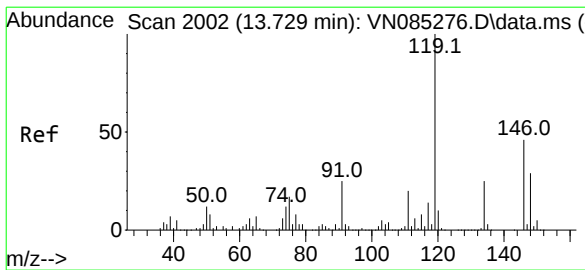
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/03/2025



#80
1,2,4-Trimethylbenzene
Concen: 0.941 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

Tgt Ion:105 Resp: 6768
Ion Ratio Lower Upper
105 100
120 42.4 0.0 89.8





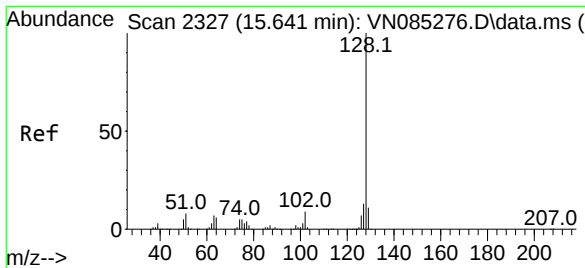
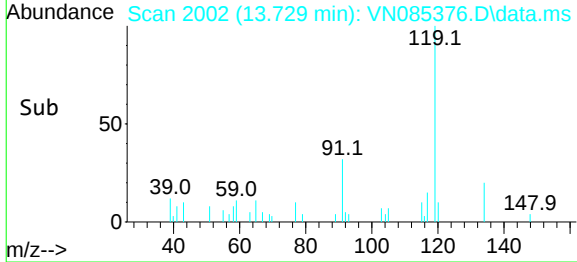
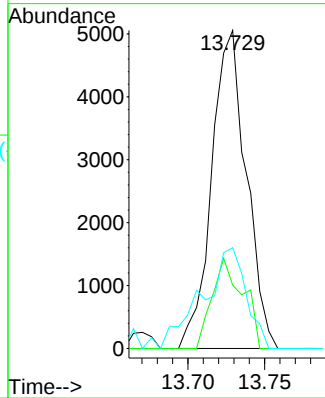
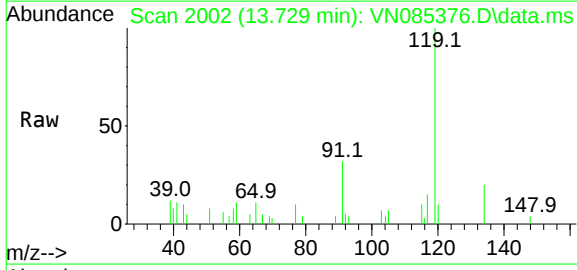
#82
p-Isopropyltoluene
Concen: 1.129 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
001 WILLETS PT BLVD (DEC)

Tgt Ion:	119	Resp:	7933
Ion	Ratio	Lower	Upper
119	100		
134	21.1	0.0	51.4
91	27.0	0.0	51.4

Manual Integrations
APPROVED

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



#91
Naphthalene
Concen: 1.048 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN085376.D
Acq: 02 Jan 2025 12:44

Tgt Ion:	128	Resp:	5911
Ion	Ratio	Lower	Upper
128	100		
127	3.7	10.6	16.0#
129	12.5	8.6	13.0

