

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087172.D
 Acq On : 25 Jun 2025 13:11
 Operator : JC\MD
 Sample : Q2349-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)

Quant Time: Jun 25 15:31:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025

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

Internal Standards						
1) Bromochloromethane	7.824	128	35391	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	192737	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	179463	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	80767	30.289	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.967%			
60) 4-Bromofluorobenzene	12.853	95	81723	29.510	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.367%			
63) Toluene-d8	10.571	98	242100	30.045	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.167%			
Target Compounds						
15) Acetone	4.442	58	178007	389.050	ug/l	88
16) Carbon Disulfide	4.742	76	29730m	4.743	ug/l	
30) 2-Butanone	7.494	43	271947	134.201	ug/l	100
58) 4-Methyl-2-Pentanone	10.453	43	23149	6.416	ug/l	95
62) Toluene	10.635	91	9772413	964.150	ug/l	97
66) Ethyl Benzene	11.965	91	12071	1.088	ug/l	100
67) m/p-Xylenes	12.065	106	9844	2.316	ug/l	96
68) o-Xylene	12.400	106	3457	0.852	ug/l	87
76) 1,3,5-Trimethylbenzene	13.176	105	2508	0.305	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	7955	0.963	ug/l	98
82) p-Isopropyltoluene	13.729	119	102396	12.245	ug/l	98

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

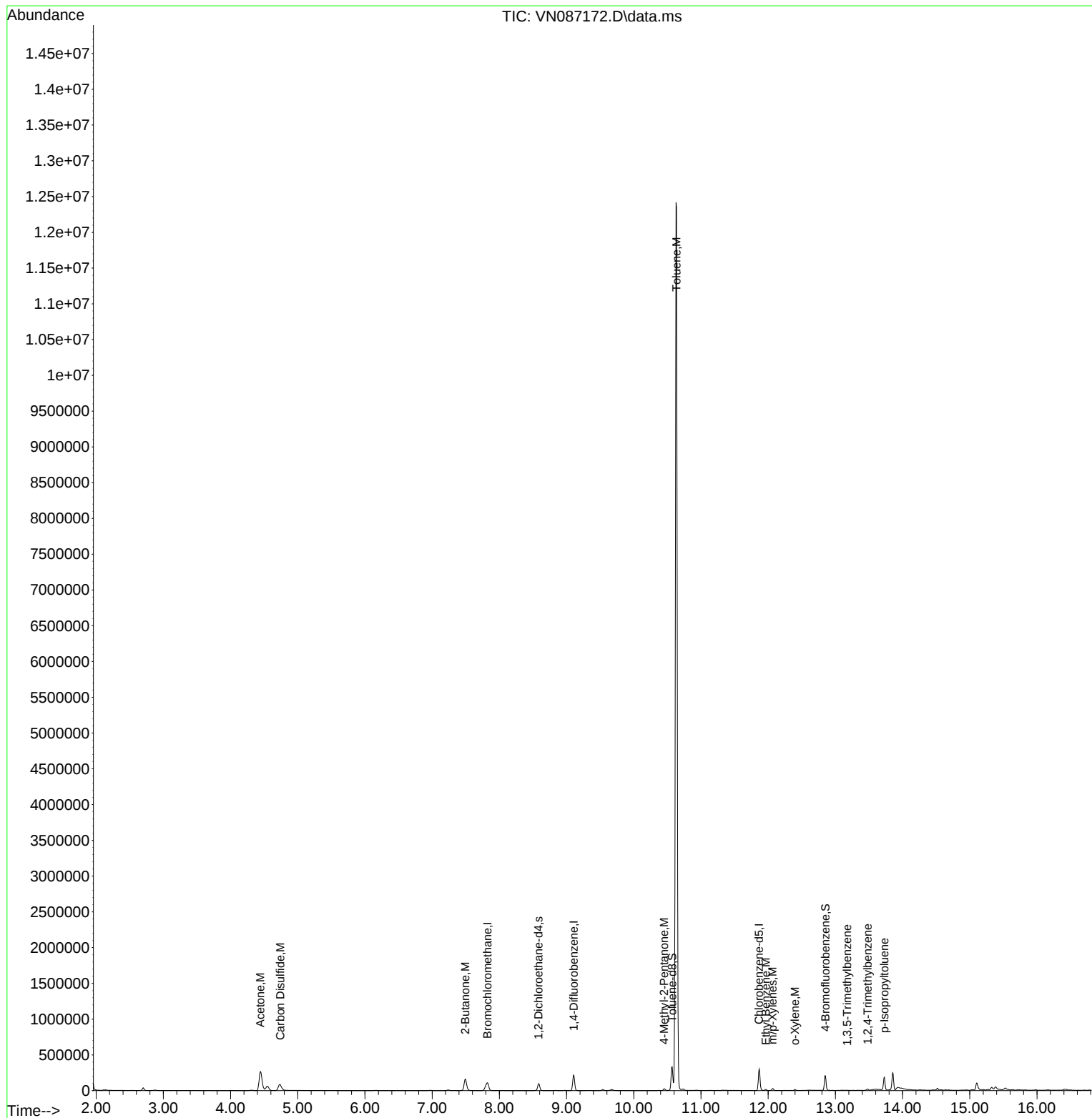
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087172.D
Acq On : 25 Jun 2025 13:11
Operator : JC\MD
Sample : Q2349-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

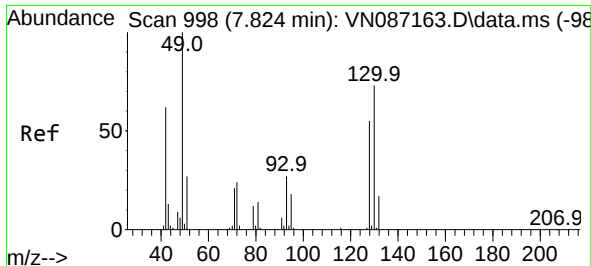
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

Quant Time: Jun 25 15:31:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

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APPROVED

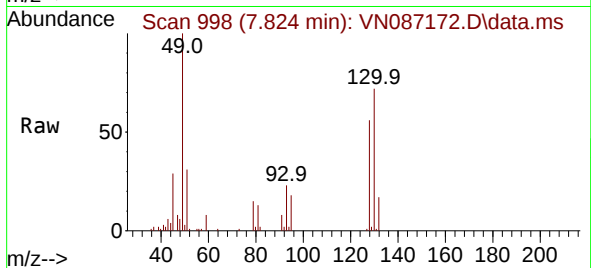
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

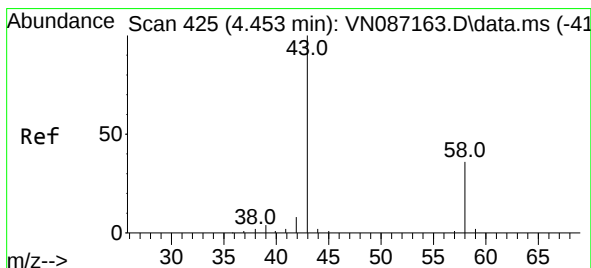
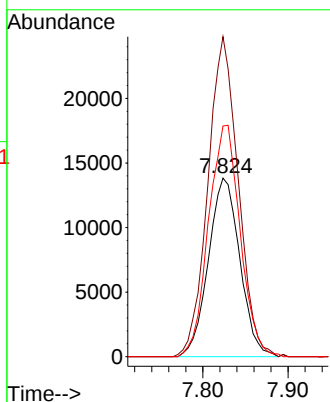
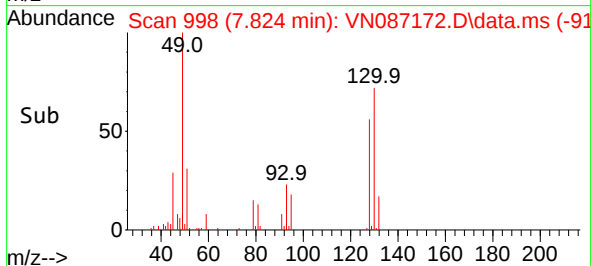
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:128 Resp: 3539
Ion Ratio Lower Upper
128 100
49 173.2 0.0 450.5
130 130.9 0.0 320.7

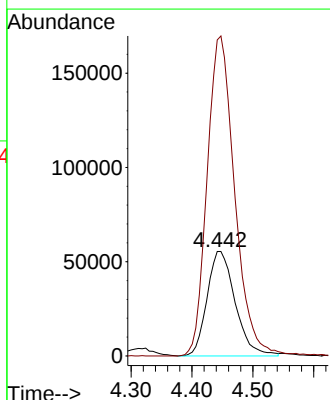
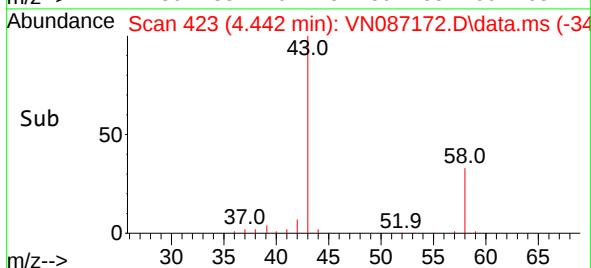
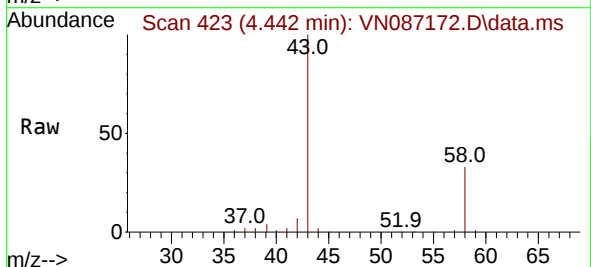
Manual Integrations
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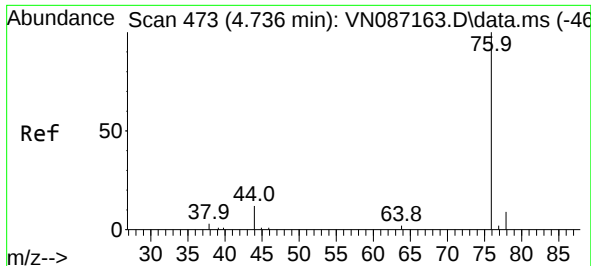
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#15
Acetone
Concen: 389.050 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.012 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

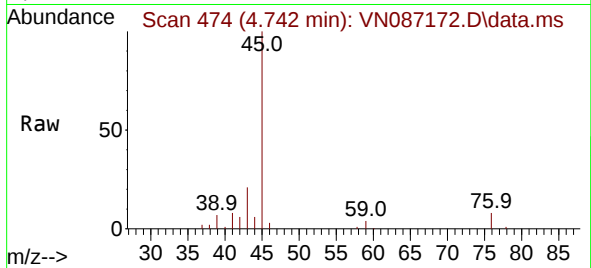
Tgt Ion: 58 Resp: 178007
Ion Ratio Lower Upper
58 100
43 302.5 224.3 336.5





#16
Carbon Disulfide
Concen: 4.743 ug/l m
RT: 4.742 min Scan# 473
Delta R.T. 0.006 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

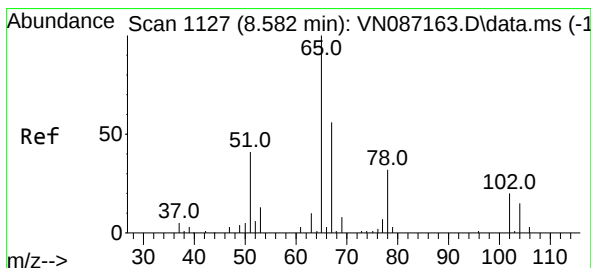
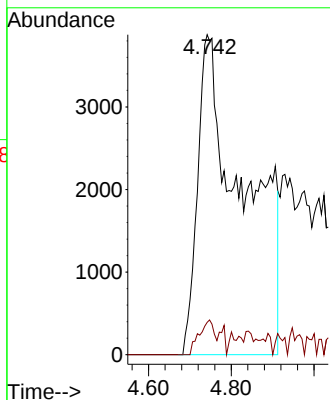
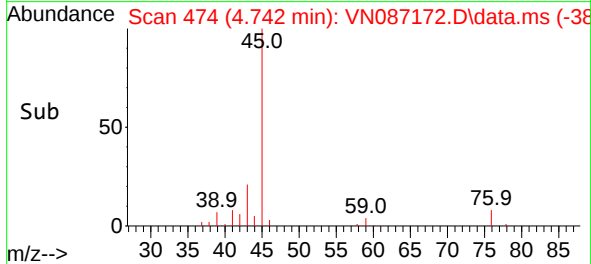
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 76 Resp: 29730
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8

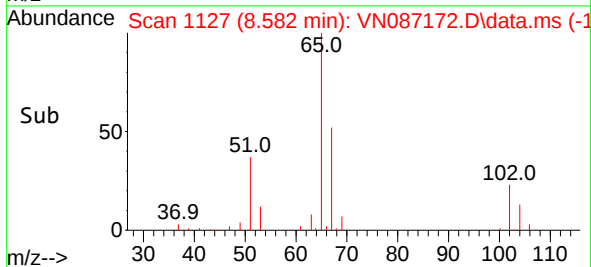
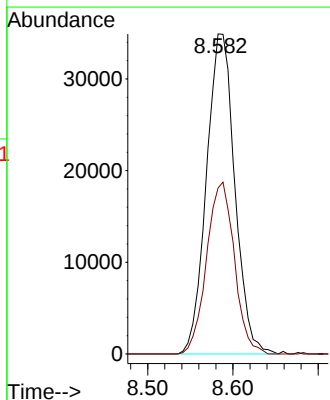
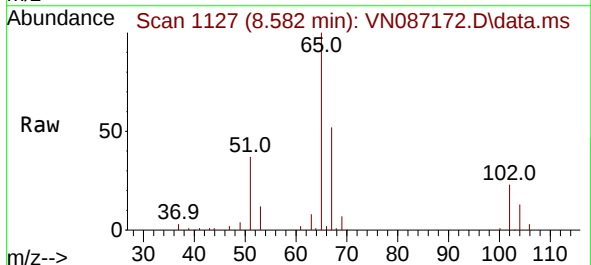
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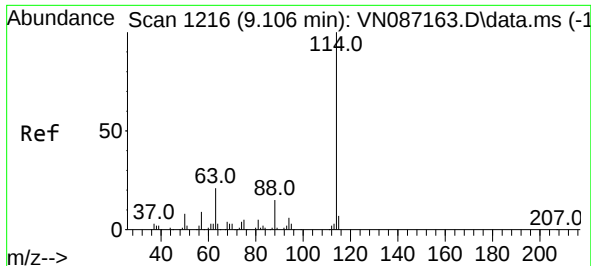
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#27
1,2-Dichloroethane-d4
Concen: 30.289 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

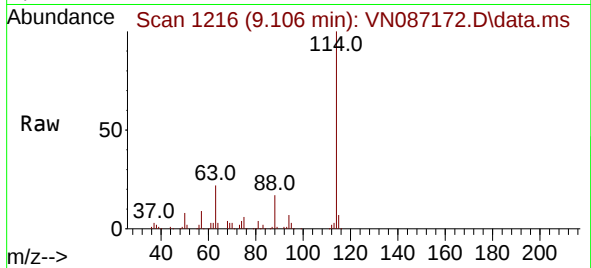
Tgt Ion: 65 Resp: 80767
Ion Ratio Lower Upper
65 100
67 52.7 41.9 62.9





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

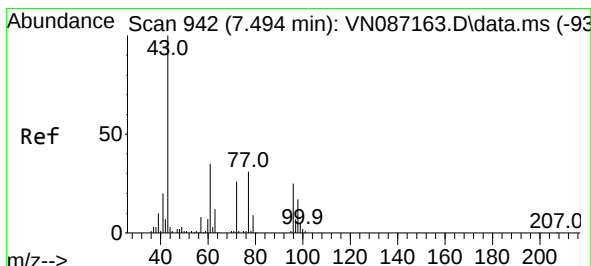
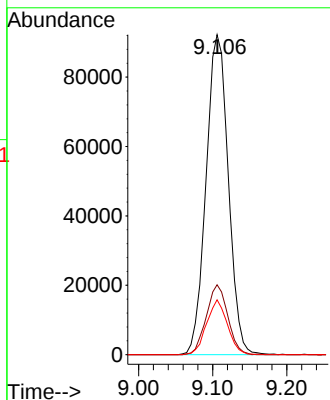
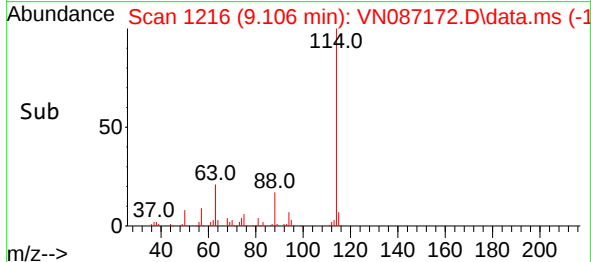
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



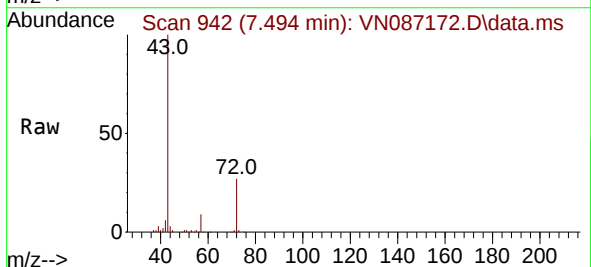
Tgt Ion:114 Resp: 19273
Ion Ratio Lower Upper
114 100
63 21.0 17.0 25.4
88 16.0 12.6 19.0

Manual Integrations
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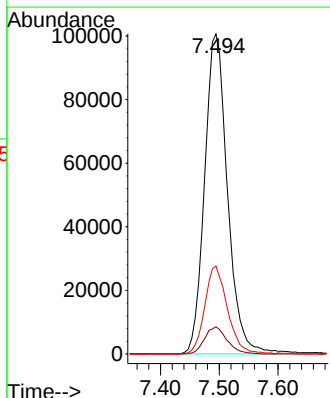
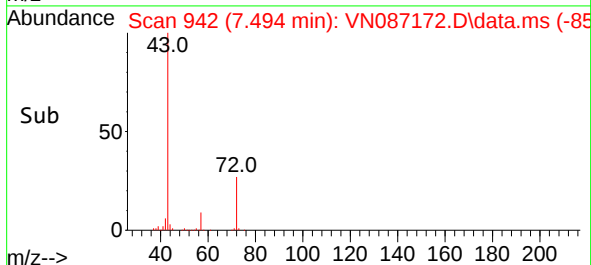
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

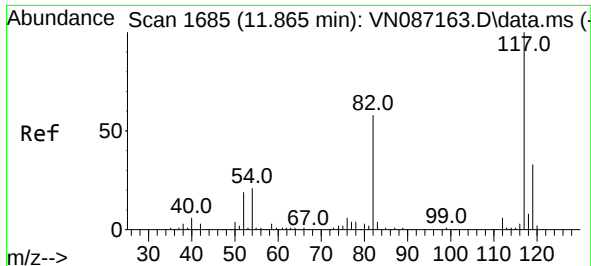


#30
2-Butanone
Concen: 134.201 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11



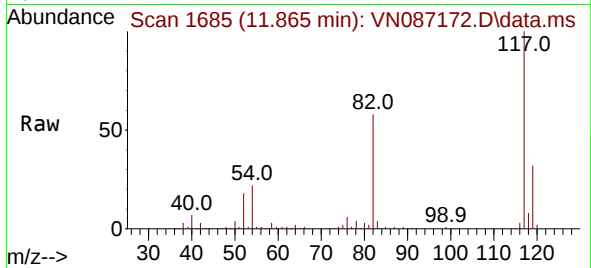
Tgt Ion: 43 Resp: 271947
Ion Ratio Lower Upper
43 100
57 8.3 6.3 9.5
72 27.2 21.8 32.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

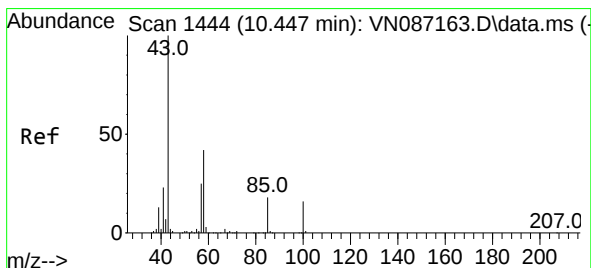
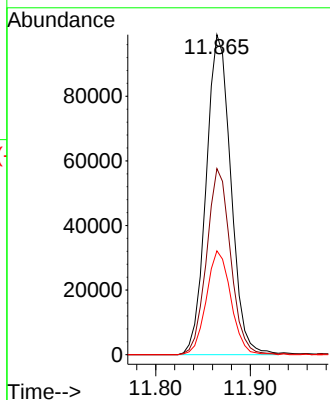
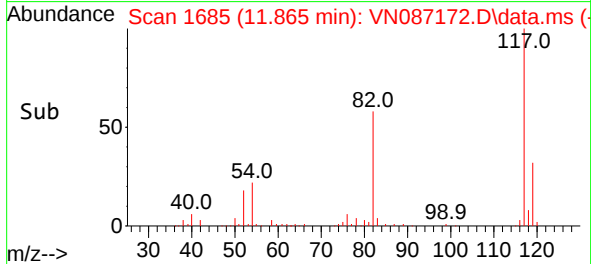
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 117 Resp: 17946
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 32.1 26.2 39.4

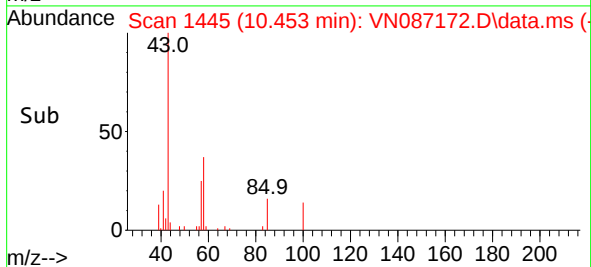
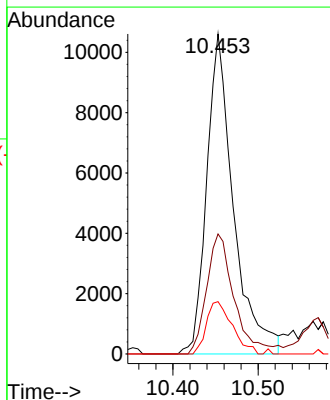
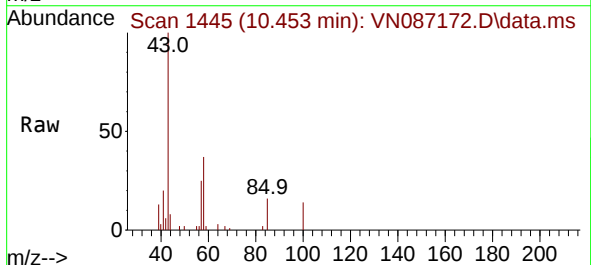
Manual Integrations
APPROVED

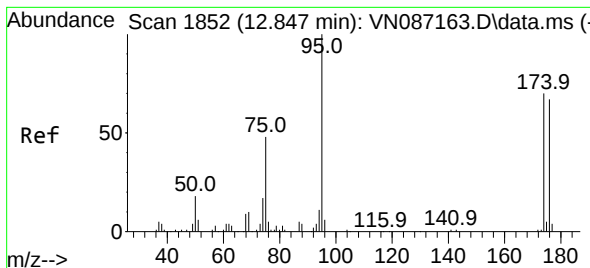
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#58
4-Methyl-2-Pentanone
Concen: 6.416 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

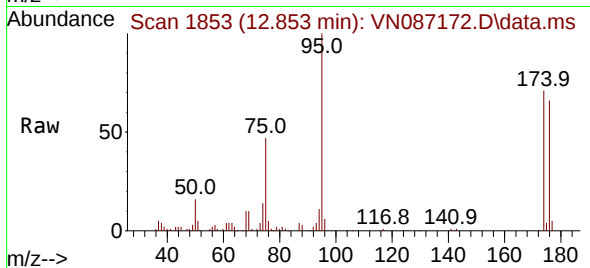
Tgt Ion: 43 Resp: 23149
Ion Ratio Lower Upper
43 100
58 38.2 32.6 49.0
85 15.4 14.6 22.0





#60
4-Bromofluorobenzene
Concen: 29.510 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

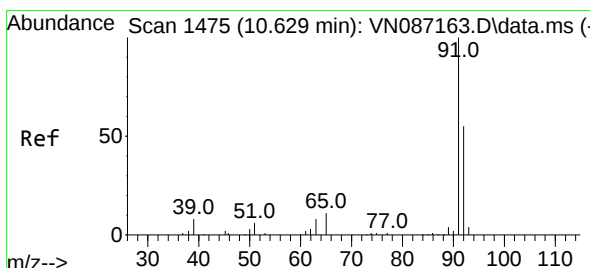
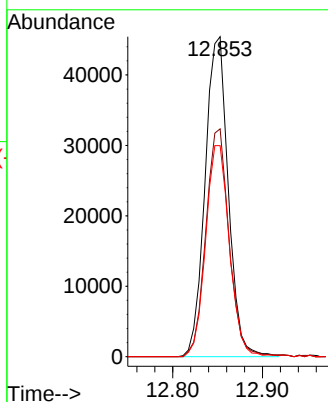
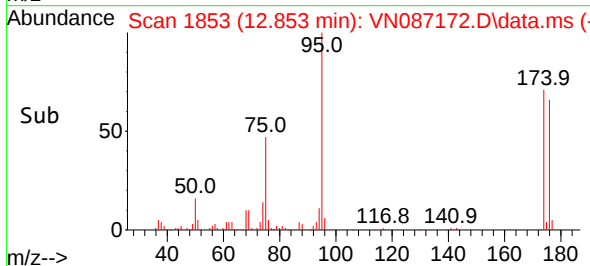
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 95 Resp: 8172
Ion Ratio Lower Upper
95 100
174 71.2 54.5 81.7
176 67.2 51.9 77.9

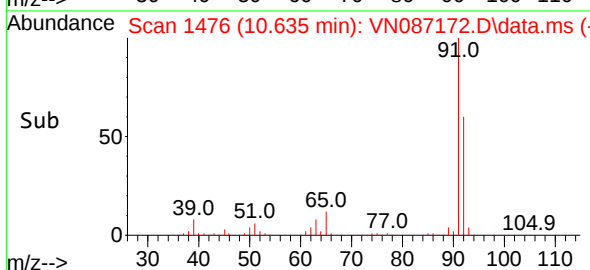
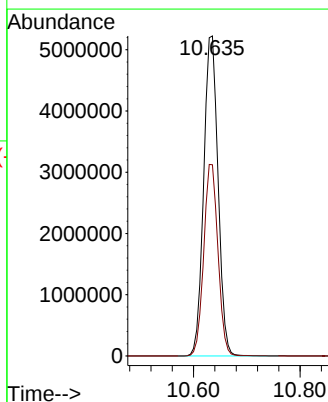
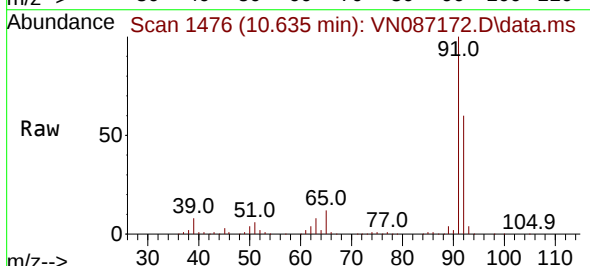
Manual Integrations
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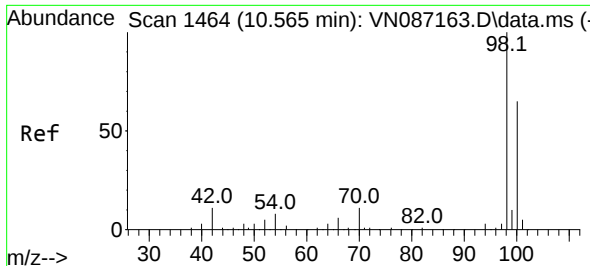
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#62
Toluene
Concen: 964.150 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

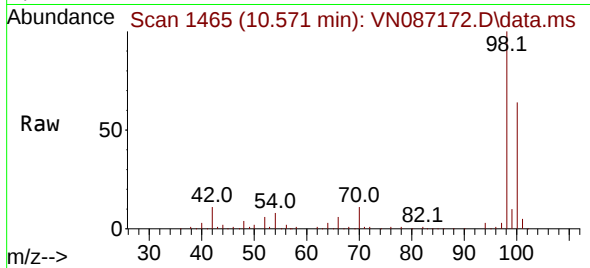
Tgt Ion: 91 Resp: 9772413
Ion Ratio Lower Upper
91 100
92 59.2 45.8 68.8





#63
Toluene-d8
Concen: 30.045 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

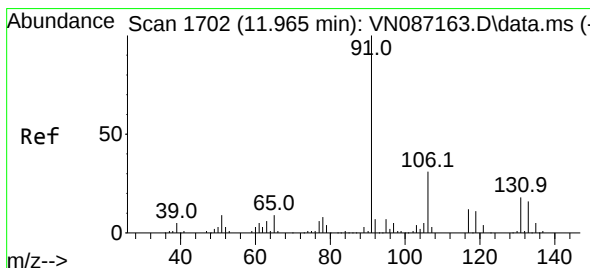
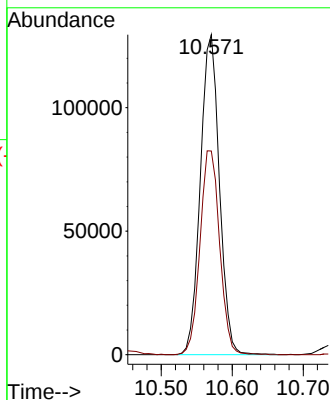
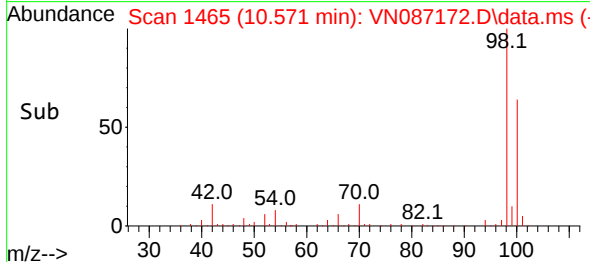
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 98 Resp: 242100
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

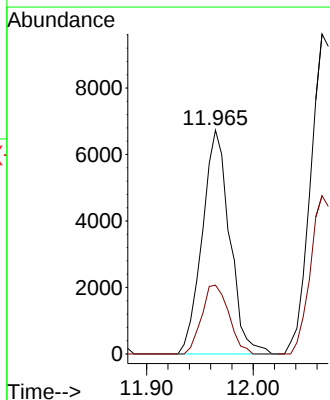
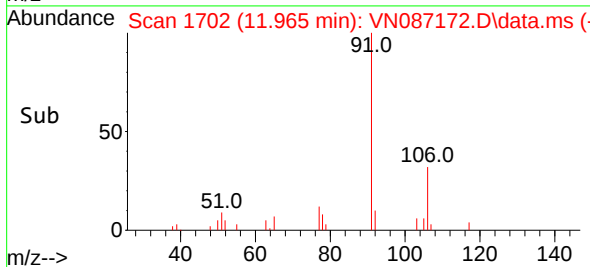
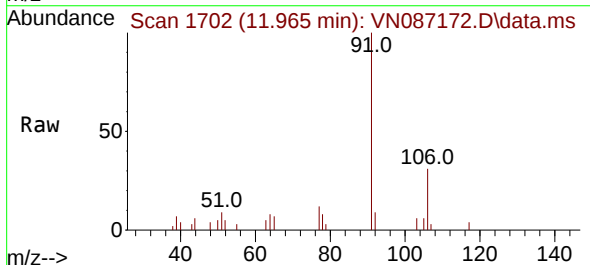
Manual Integrations
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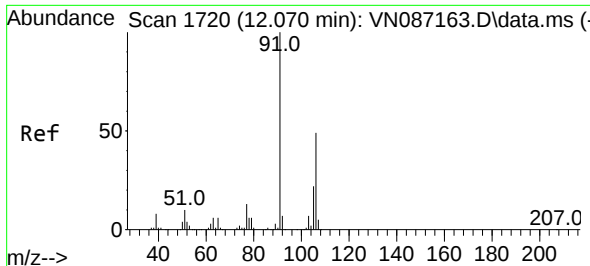
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#66
Ethyl Benzene
Concen: 1.088 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

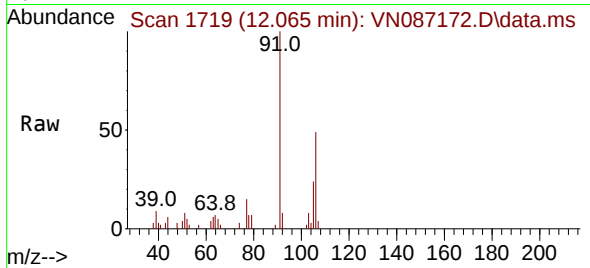
Tgt Ion: 91 Resp: 12071
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2





#67
m/p-Xylenes
Concen: 2.316 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

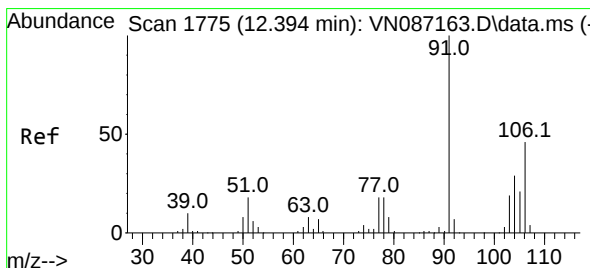
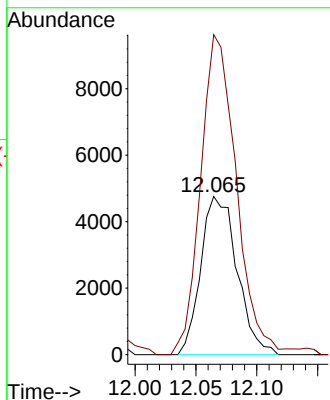
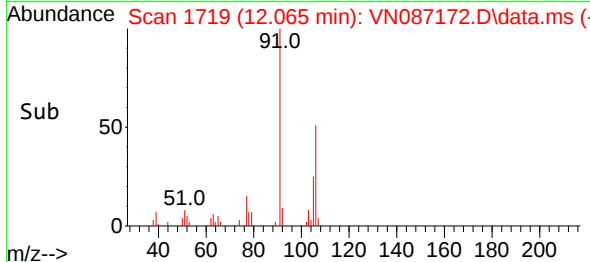
Instrument :
MSVOA_N
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001-WILLETS-PT-BLVD(JUNE)



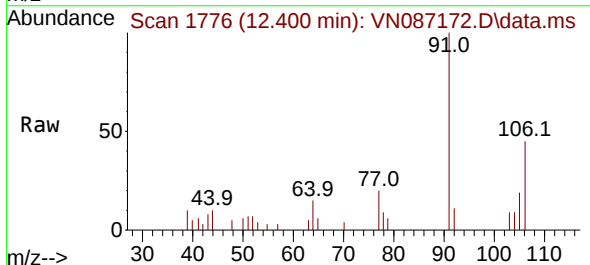
Tgt Ion:106 Resp: 9844
Ion Ratio Lower Upper
106 100
91 198.0 163.0 244.4

Manual Integrations
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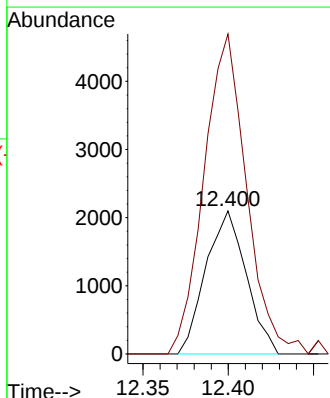
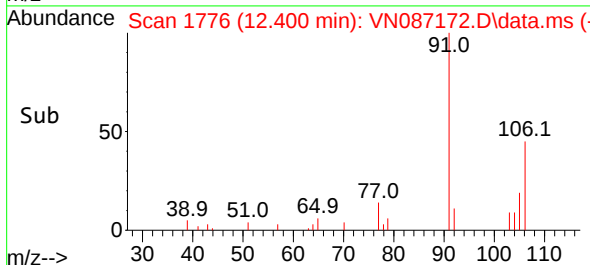
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

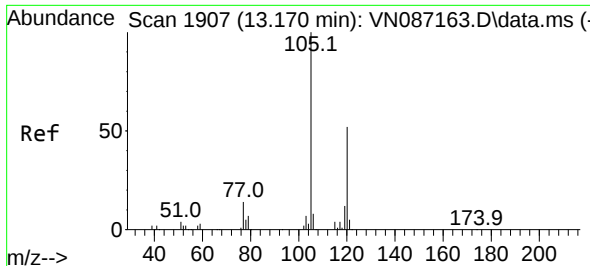


#68
o-Xylene
Concen: 0.852 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11



Tgt Ion:106 Resp: 3457
Ion Ratio Lower Upper
106 100
91 234.2 107.1 321.1





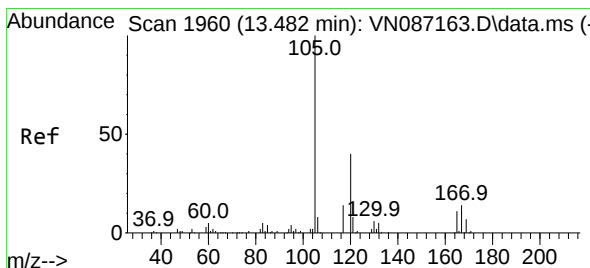
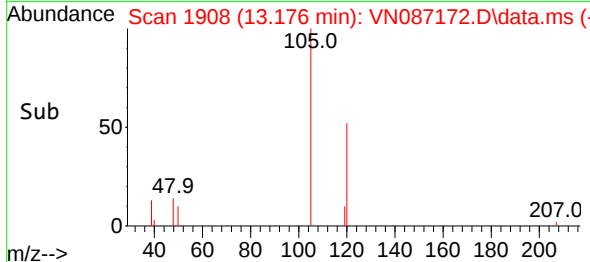
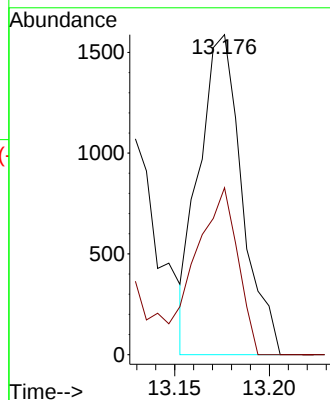
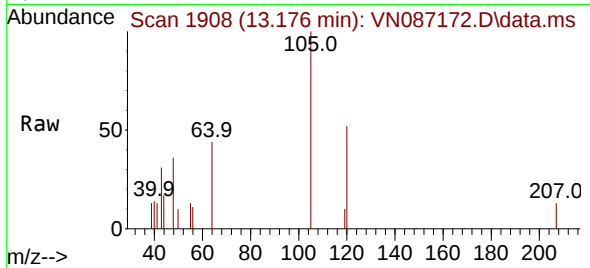
#76
1,3,5-Trimethylbenzene
Concen: 0.305 ug/l
RT: 13.176 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion:105 Resp: 2508
Ion Ratio Lower Upper
105 100
120 50.3 0.0 100.8

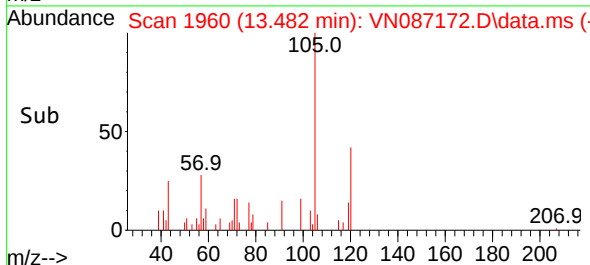
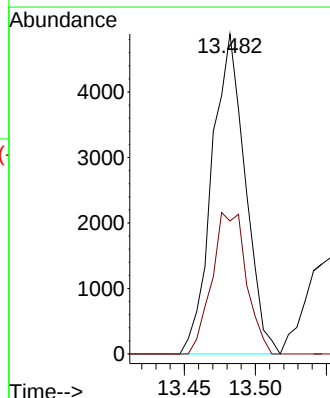
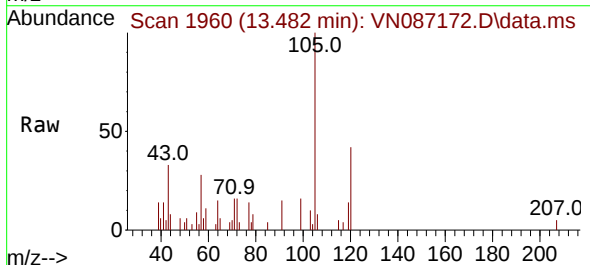
Manual Integrations
APPROVED

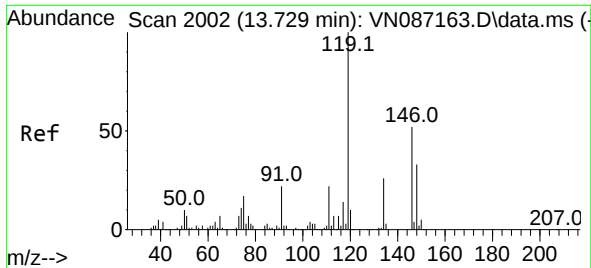
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 0.963 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087172.D
Acq: 25 Jun 2025 13:11

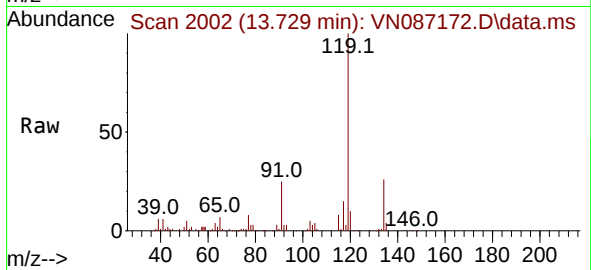
Tgt Ion:105 Resp: 7955
Ion Ratio Lower Upper
105 100
120 45.7 0.0 94.0





#82
 p-Isopropyltoluene
 Concen: 12.245 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087172.D
 Acq: 25 Jun 2025 13:11

Instrument : MSVOA_N
 ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)



Tgt Ion:	119	Resp:	102390
Ion Ratio	Lower	Upper	
119	100		
134	26.4	0.0	51.2
91	24.8	0.0	46.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025

