

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088323.D
 Acq On : 20 Nov 2025 12:02
 Operator : JC\MD
 Sample : Q3676-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-002

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2025
 Supervised By : Semsettin Yesilyurt 11/21/2025

Quant Time: Nov 21 02:58:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	18987	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	97658	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	86332	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	55485	31.992	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	106.633%		
60) 4-Bromofluorobenzene	12.829	95	35936	24.624	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	82.067%		
63) Toluene-d8	10.547	98	120003	29.360	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.867%		
Target Compounds						
						Qvalue
3) Chloromethane	2.383	50	8833	6.419	ug/l	98
15) Acetone	4.424	58	1805307	8065.774	ug/l	99
18) Methylene Chloride	5.265	84	52149	40.184	ug/l	95
25) Chloroform	7.953	83	4246843	1754.646	ug/l	100
30) 2-Butanone	7.483	43	44664	42.374	ug/l #	96
33) Carbon Tetrachloride	8.335	117	3403m	1.984	ug/l	
41) Bromodichloromethane	9.871	83	16376	9.010	ug/l #	96
43) Ethyl Acetate	7.559	43	29720m	14.014	ug/l	
44) Isopropyl Acetate	8.677	43	22430m	6.863	ug/l	
48) t-1,3-Dichloropropene	10.788	75	3638m	1.871	ug/l	
62) Toluene	10.612	91	7721	1.558	ug/l	96

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

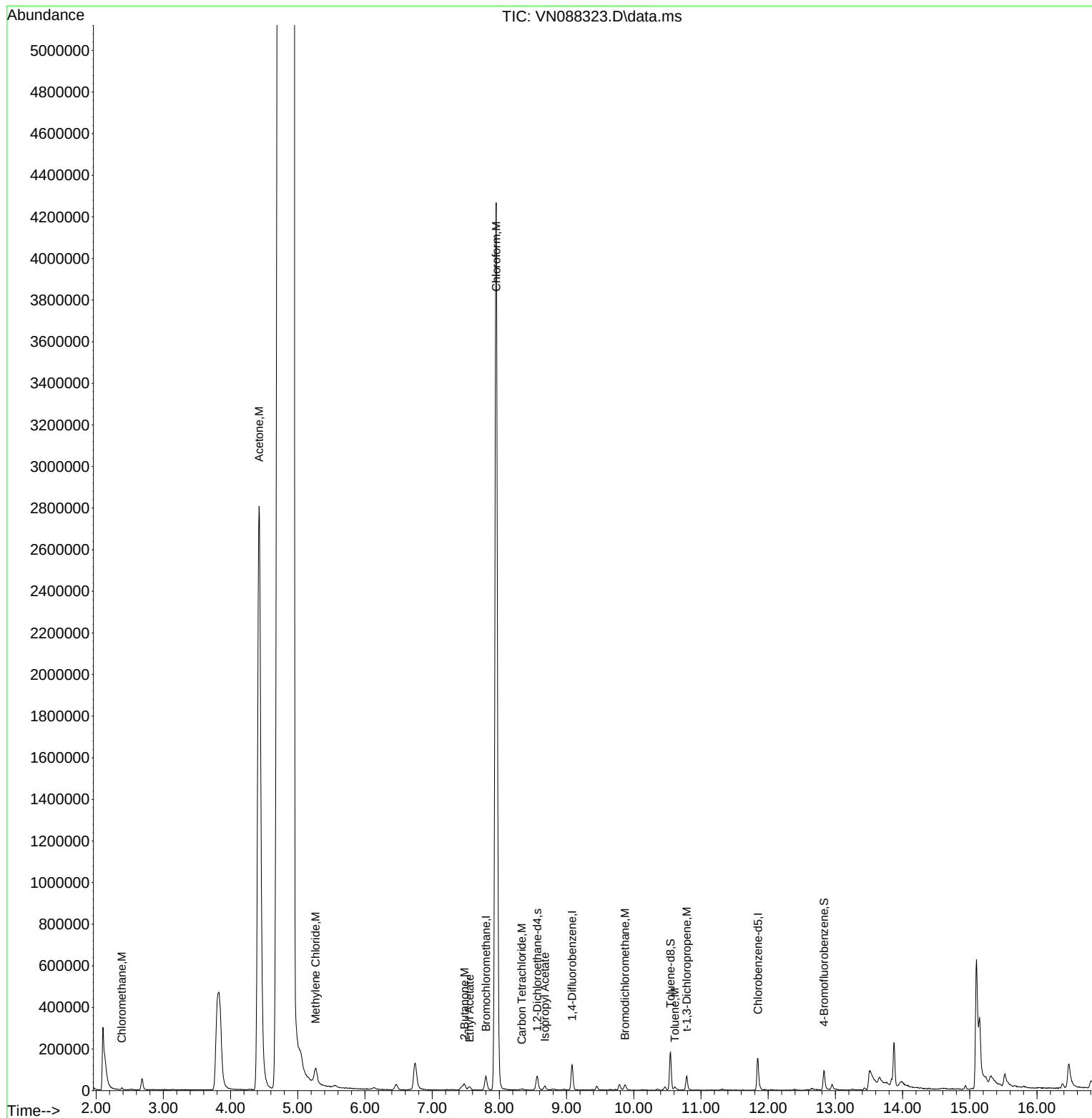
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
Data File : VN088323.D
Acq On : 20 Nov 2025 12:02
Operator : JC\MD
Sample : Q3676-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

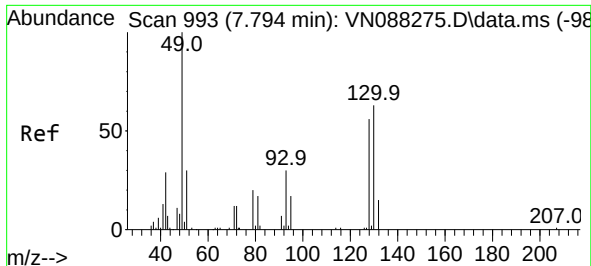
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

Quant Time: Nov 21 02:58:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

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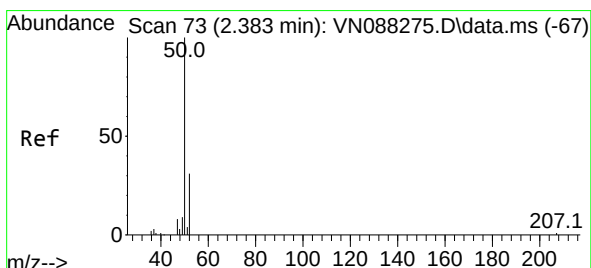
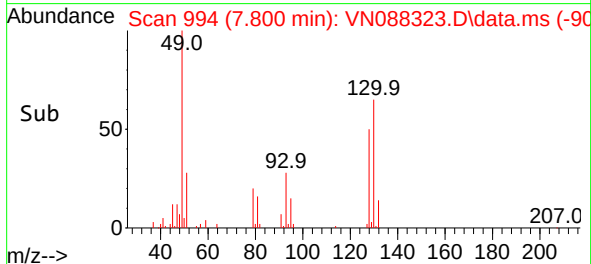
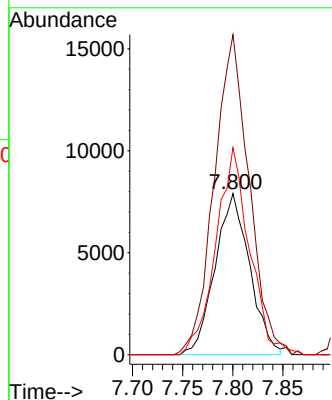
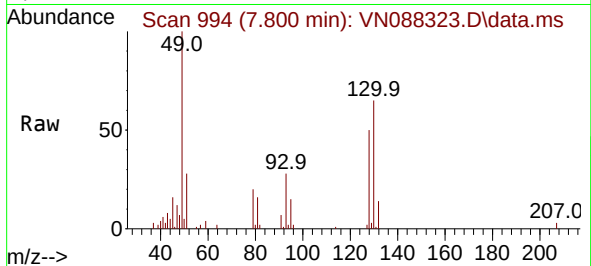
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

Tgt Ion:128 Resp: 1898
Ion Ratio Lower Upper
128 100
49 199.7 0.0 501.2
130 122.9 0.0 320.2

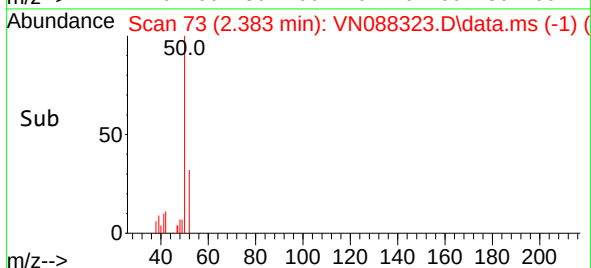
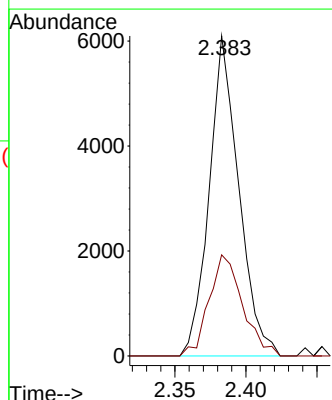
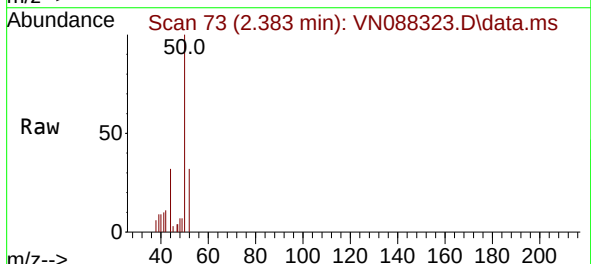
Manual Integrations
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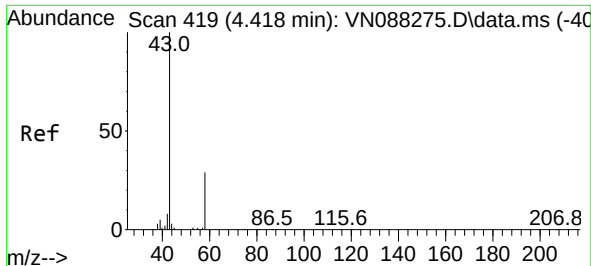
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#3
Chloromethane
Concen: 6.419 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

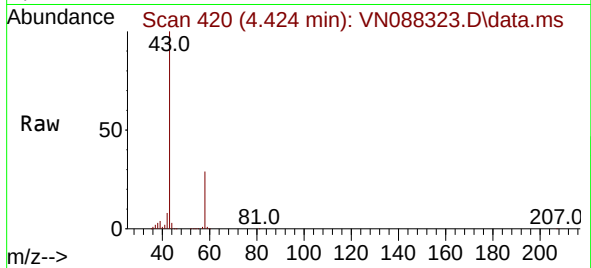
Tgt Ion: 50 Resp: 8833
Ion Ratio Lower Upper
50 100
52 31.6 24.6 36.8





#15
Acetone
Concen: 8065.774 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

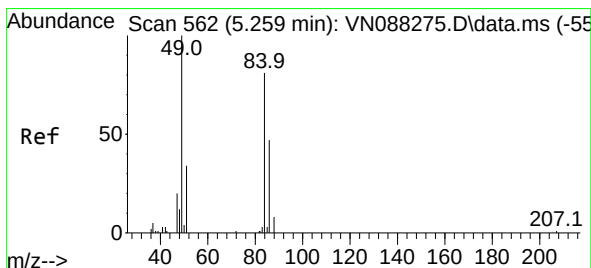
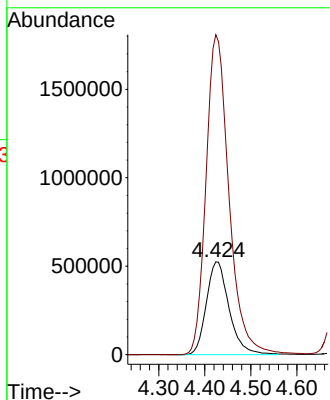
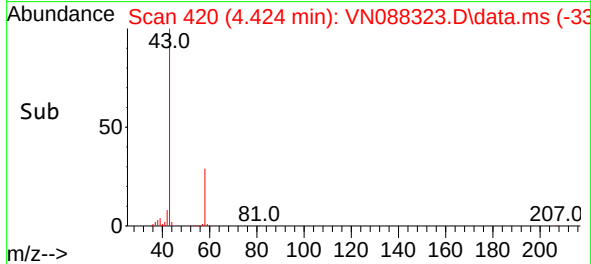
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002



Tgt Ion: 58 Resp: 180530
Ion Ratio Lower Upper
58 100
43 344.8 273.9 410.9

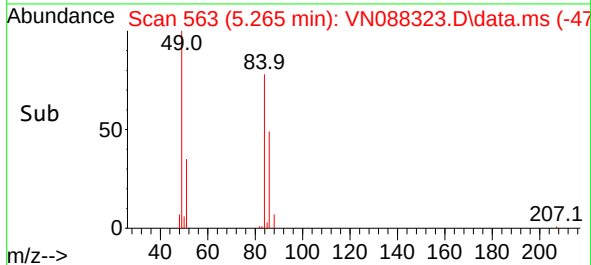
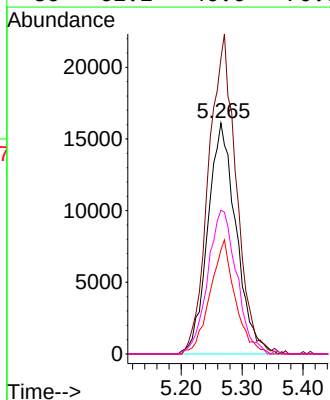
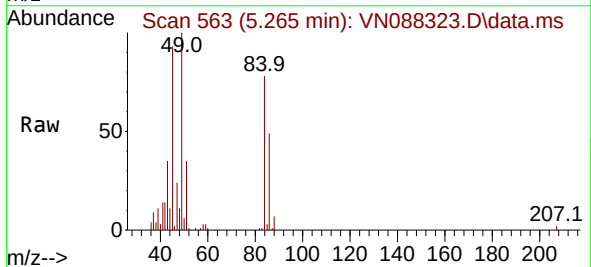
Manual Integrations
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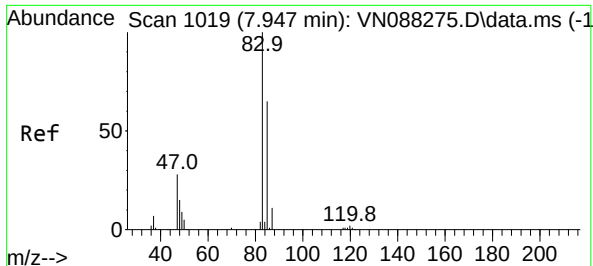
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#18
Methylene Chloride
Concen: 40.184 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

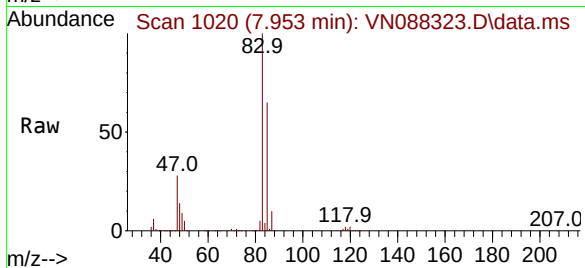
Tgt Ion: 84 Resp: 52149
Ion Ratio Lower Upper
84 100
49 128.0 98.7 148.1
51 45.1 33.7 50.5
86 62.2 46.6 70.0





#25
Chloroform
Concen: 1754.646 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

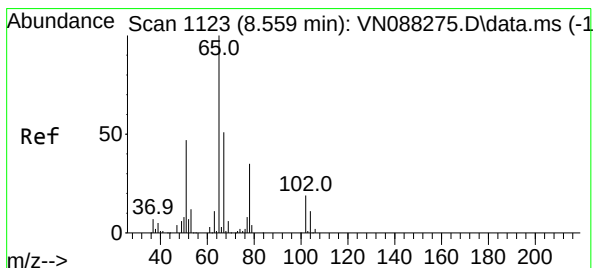
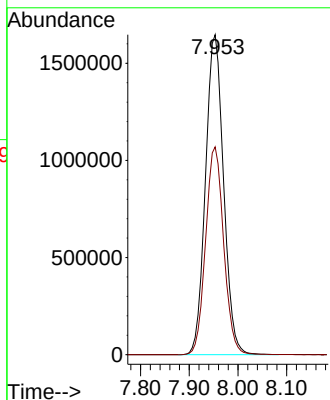
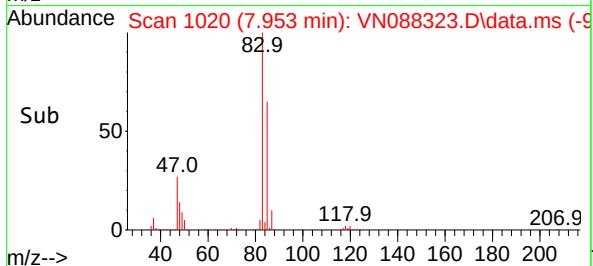
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002



Tgt Ion: 83 Resp: 424684
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4

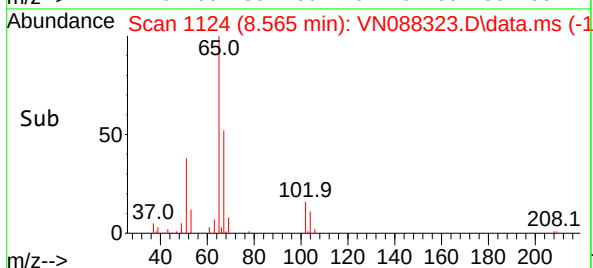
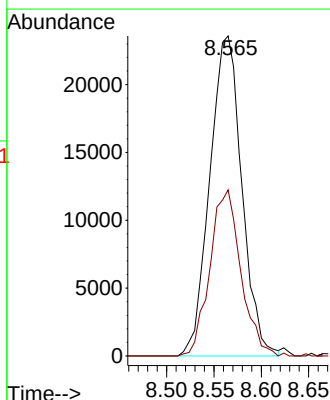
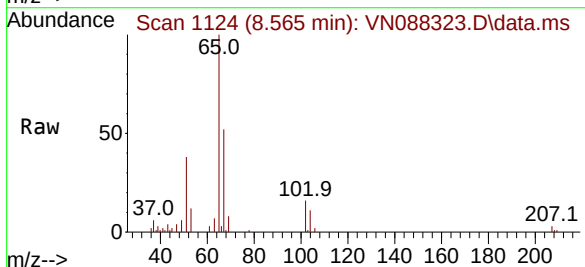
Manual Integrations
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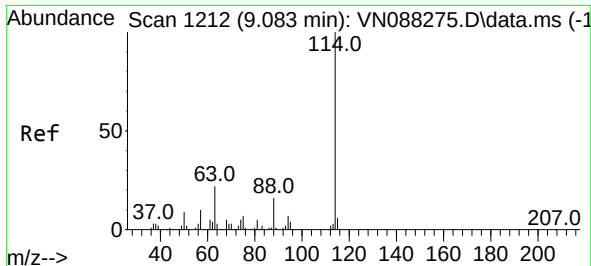
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#27
1,2-Dichloroethane-d4
Concen: 31.992 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

Tgt Ion: 65 Resp: 55485
Ion Ratio Lower Upper
65 100
67 50.1 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088323.D

Acq: 20 Nov 2025 12:02

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-002

Tgt Ion: 114 Resp: 9765

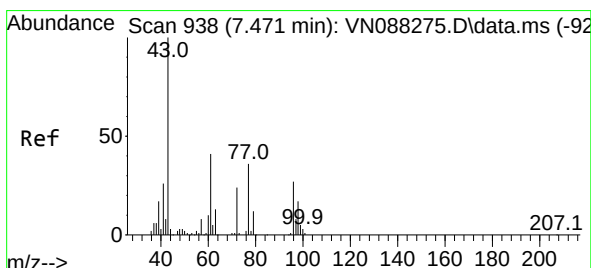
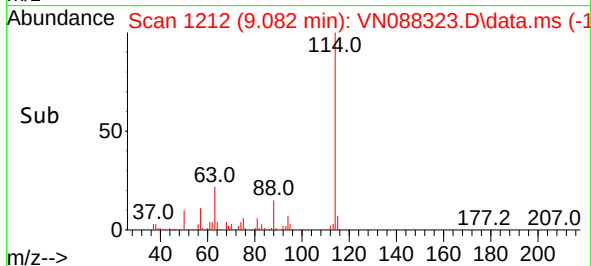
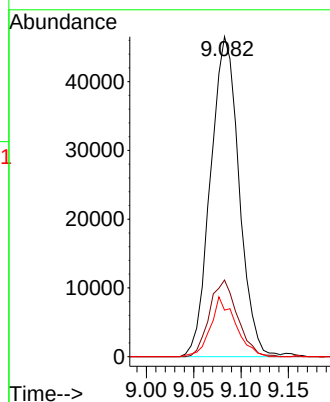
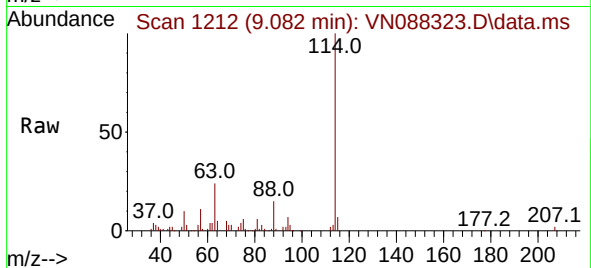
Ion	Ratio	Lower	Upper
114	100		
63	23.4	18.9	28.3
88	16.4	12.8	19.2

Manual Integrations

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Reviewed By :John Carlone 11/21/2025

Supervised By :Semsettin Yesilyurt 11/21/2025



#30

2-Butanone

Concen: 42.374 ug/l

RT: 7.483 min Scan# 940

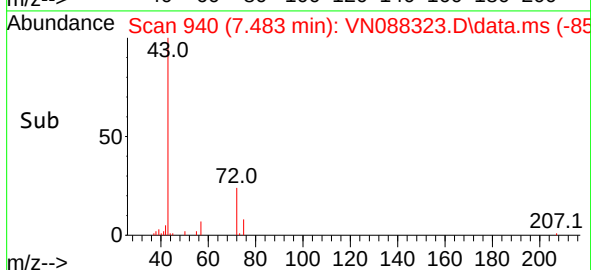
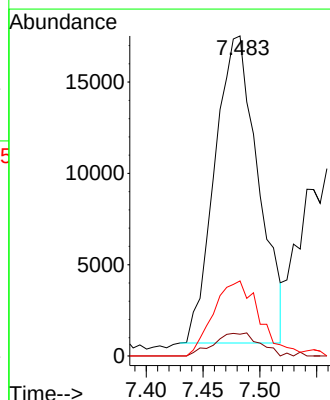
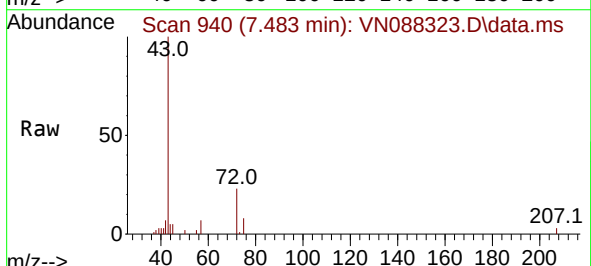
Delta R.T. 0.012 min

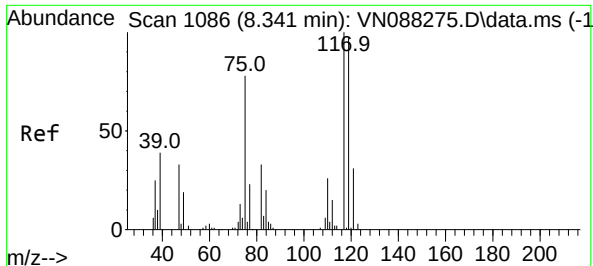
Lab File: VN088323.D

Acq: 20 Nov 2025 12:02

Tgt Ion: 43 Resp: 44664

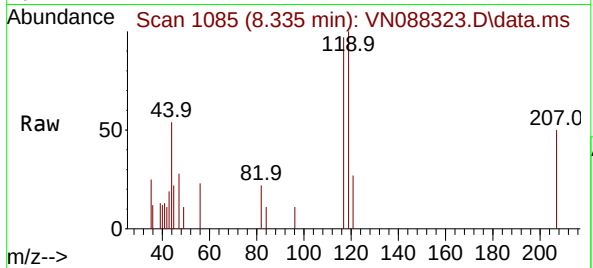
Ion	Ratio	Lower	Upper
43	100		
57	4.9	6.2	9.4
72	25.9	19.4	29.2





#33
Carbon Tetrachloride
Concen: 1.984 ug/l m
RT: 8.335 min Scan# 1085
Delta R.T. -0.006 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

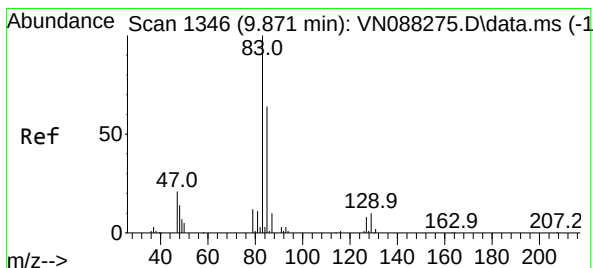
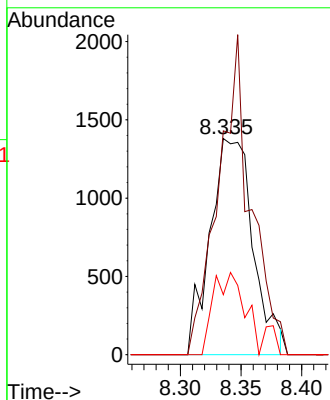
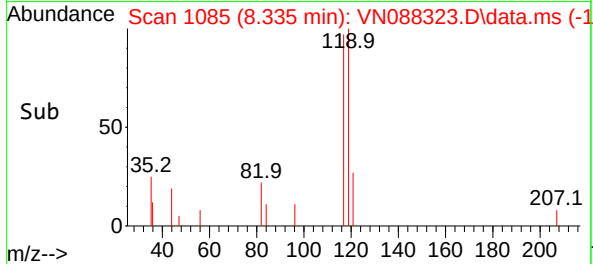
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002



Tgt Ion: 117 Resp: 340
Ion Ratio Lower Upper
117 100
119 103.5 77.8 116.8
121 27.8 24.5 36.7

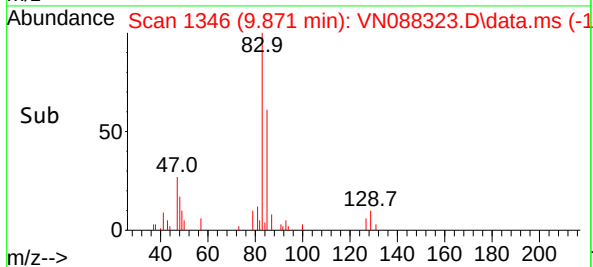
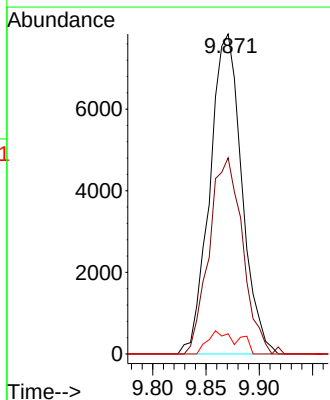
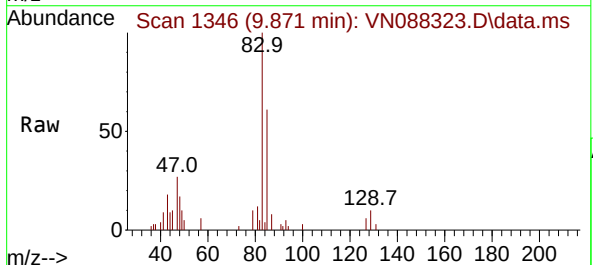
Manual Integrations
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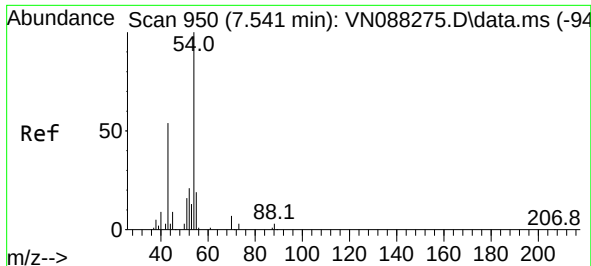
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#41
Bromodichloromethane
Concen: 9.010 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

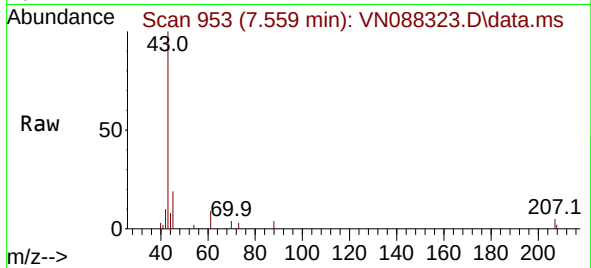
Tgt Ion: 83 Resp: 16376
Ion Ratio Lower Upper
83 100
85 61.3 51.4 77.2
127 6.3 6.4 9.6#





#43
Ethyl Acetate
Concen: 14.014 ug/l m
RT: 7.559 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

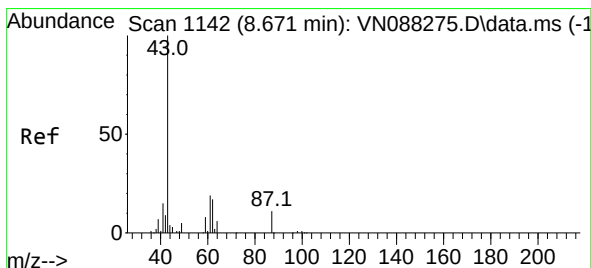
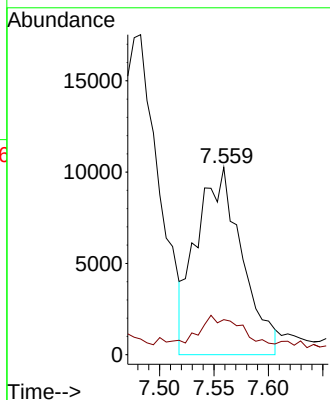
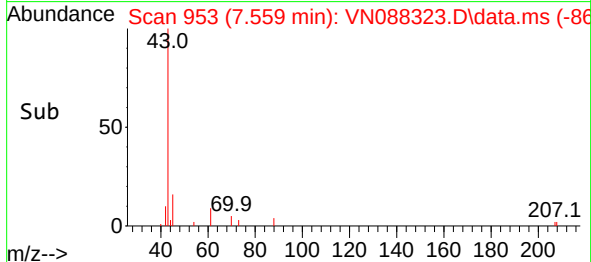
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002



Tgt Ion: 43 Resp: 29720
Ion Ratio Lower Upper
43 100
45 5.5 9.9 14.9

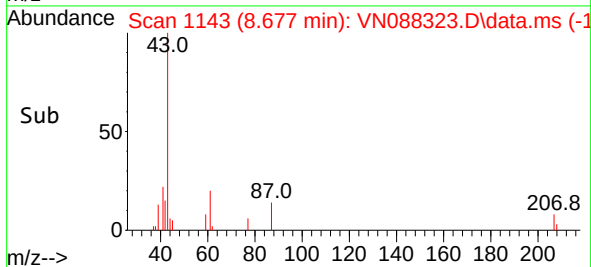
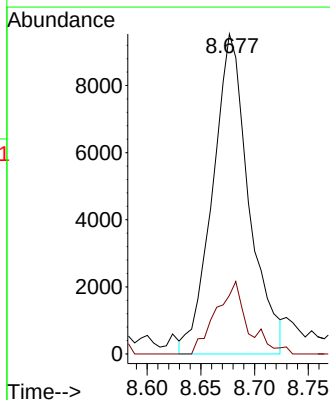
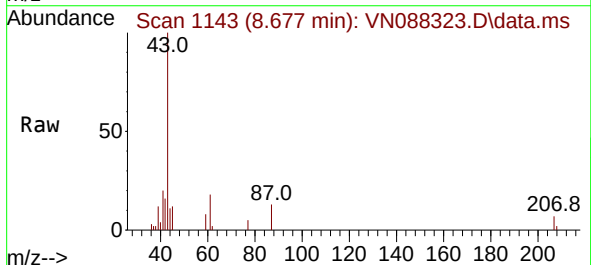
Manual Integrations
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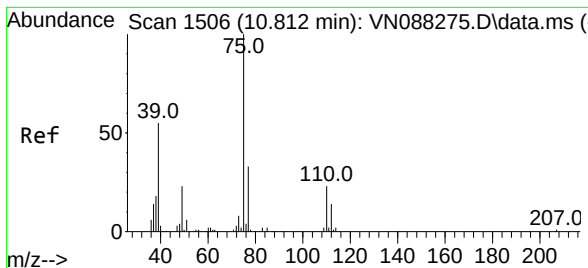
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#44
Isopropyl Acetate
Concen: 6.863 ug/l m
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

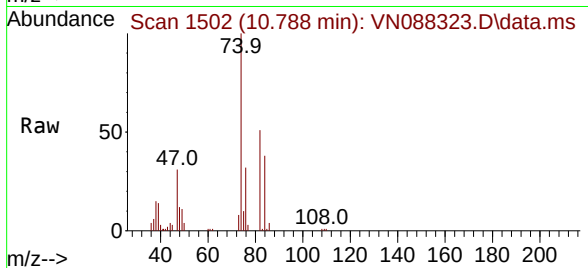
Tgt Ion: 43 Resp: 22430
Ion Ratio Lower Upper
43 100
61 0.6 19.0 28.6





#48
t-1,3-Dichloropropene
Concen: 1.871 ug/l m
RT: 10.788 min Scan# 1502
Delta R.T. -0.024 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

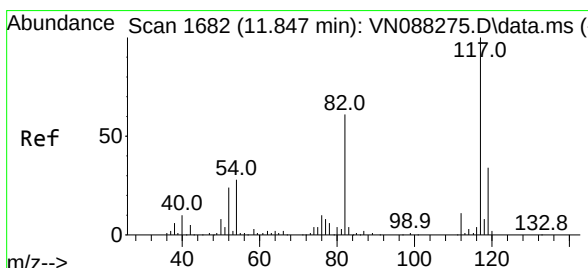
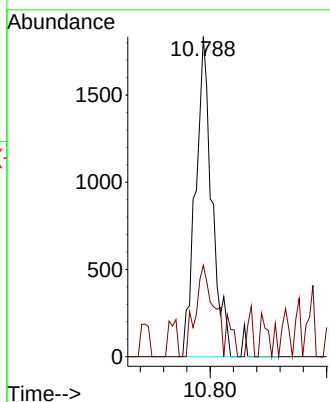
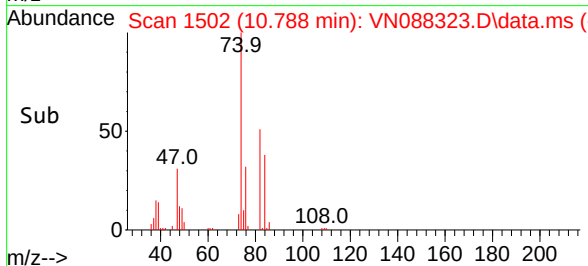
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002



Tgt Ion: 75 Resp: 3638
Ion Ratio Lower Upper
75 100
77 28.6 26.1 39.1

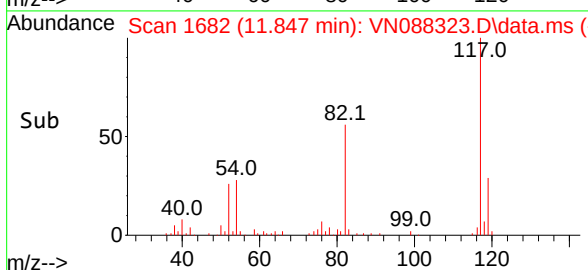
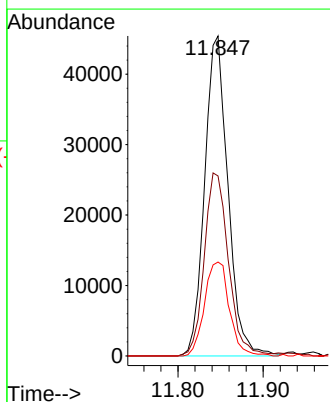
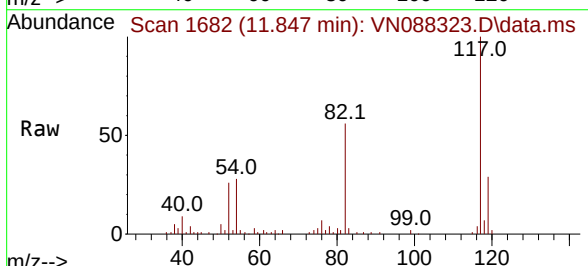
Manual Integrations
APPROVED

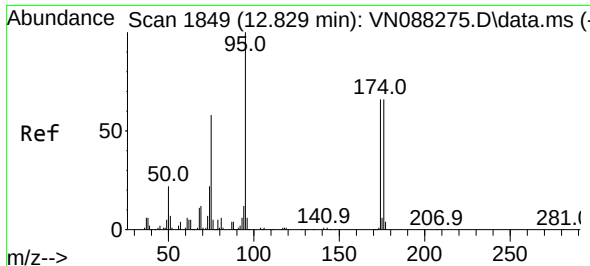
Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

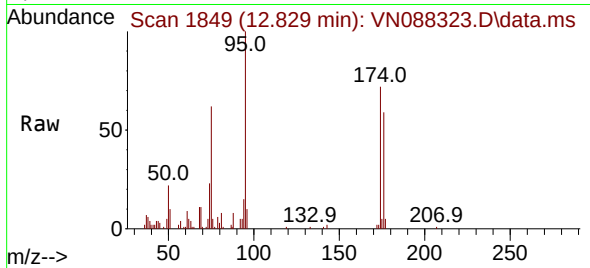
Tgt Ion:117 Resp: 86332
Ion Ratio Lower Upper
117 100
82 59.3 49.3 73.9
119 31.1 26.4 39.6





#60
4-Bromofluorobenzene
Concen: 24.624 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

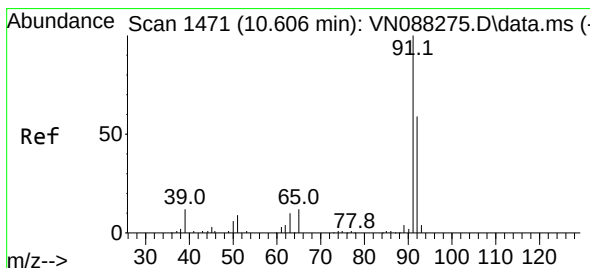
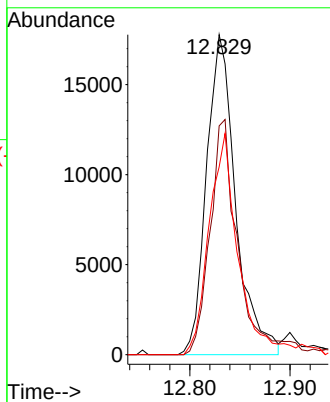
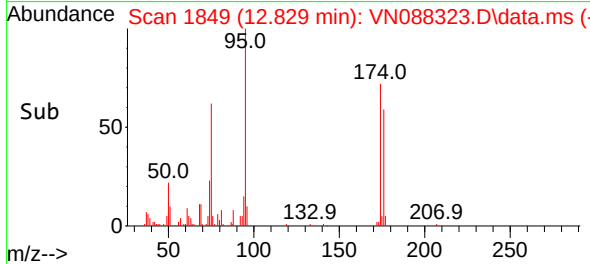
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002



Tgt Ion: 95 Resp: 35930
Ion Ratio Lower Upper
95 100
174 68.6 54.5 81.7
176 67.5 53.8 80.6

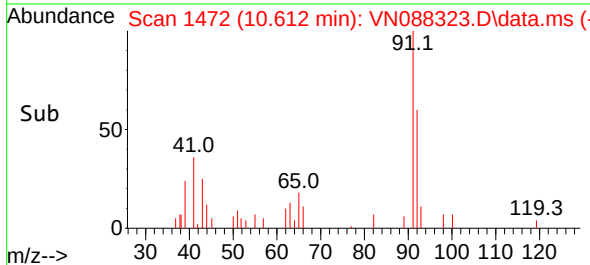
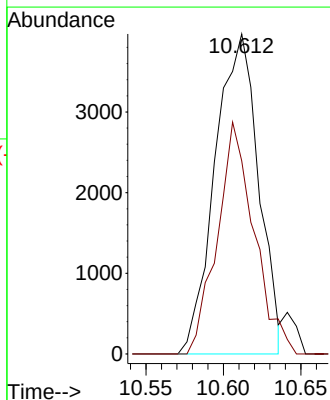
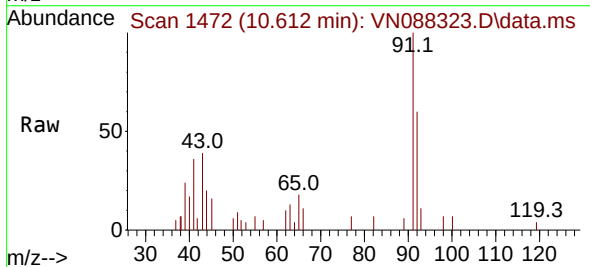
Manual Integrations
APPROVED

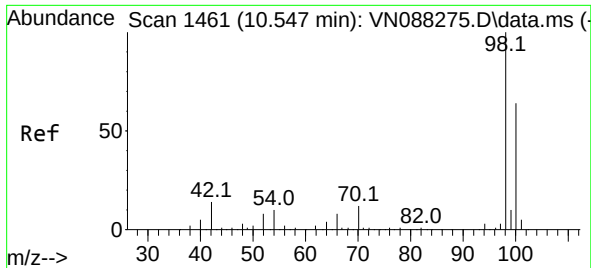
Reviewed By :John Carbone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025



#62
Toluene
Concen: 1.558 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

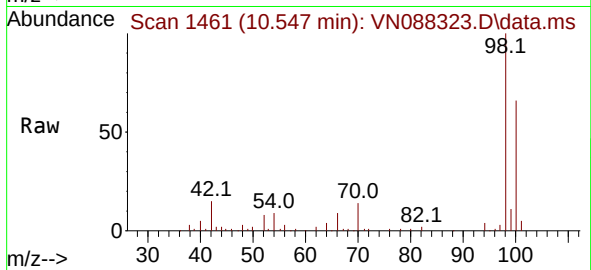
Tgt Ion: 91 Resp: 7721
Ion Ratio Lower Upper
91 100
92 61.5 46.7 70.1





#63
Toluene-d8
Concen: 29.360 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088323.D
Acq: 20 Nov 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002



Tgt Ion: 98 Resp: 12000
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2025
Supervised By :Semsettin Yesilyurt 11/21/2025

