

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078933.D
 Acq On : 17 Aug 2023 18:17
 Operator : JC\MD
 Sample : 04027-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUN)DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023

Quant Time: Aug 18 05:34:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	41003	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	211583	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	176970	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	97356	29.308	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.700%		
60) 4-Bromofluorobenzene	12.853	95	61784	23.933	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	79.767%		
63) Toluene-d8	10.570	98	252831	30.593	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.967%		
Target Compounds						
15) Acetone	4.441	58	14386	35.045	ug/l	Qvalue 81
30) 2-Butanone	7.506	43	6845m	3.633	ug/l	
58) 4-Methyl-2-Pentanone	10.459	43	1928	0.549	ug/l #	70
62) Toluene	10.635	91	203204	21.032	ug/l	98

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

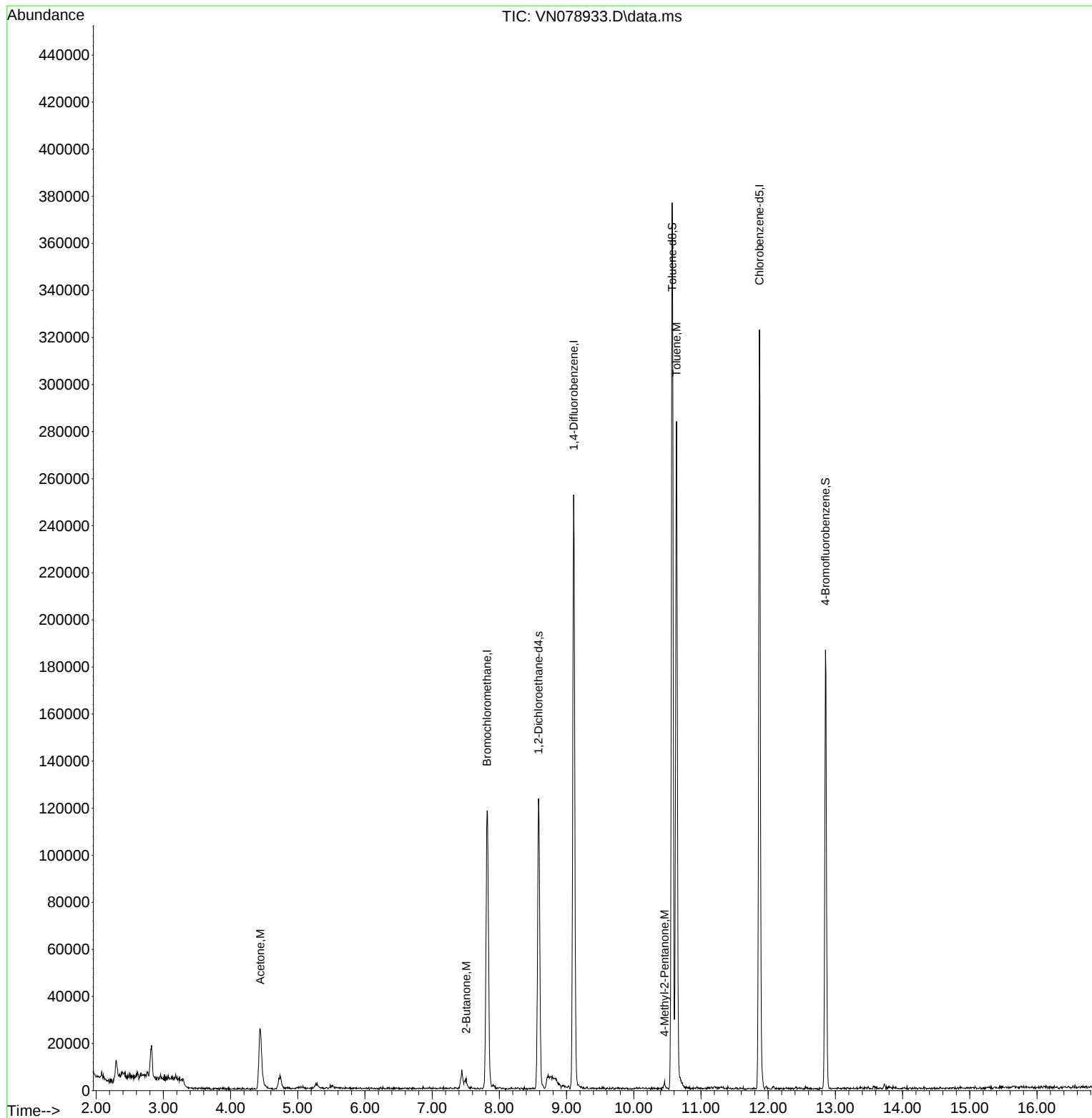
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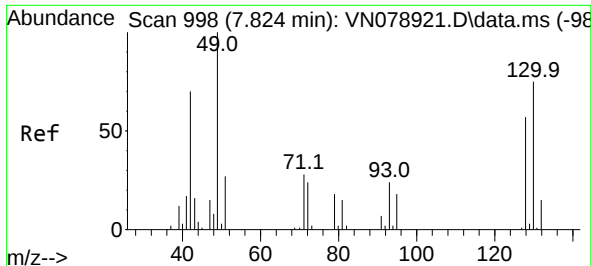
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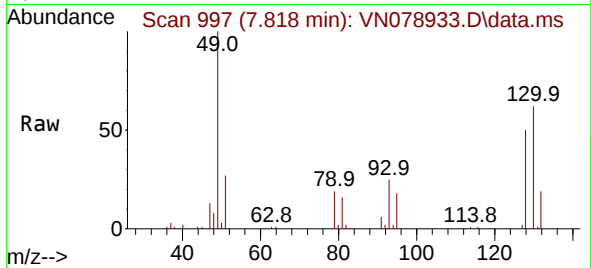
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

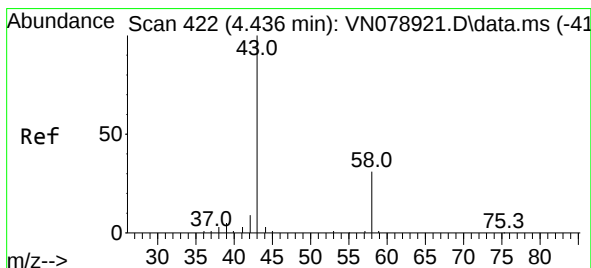
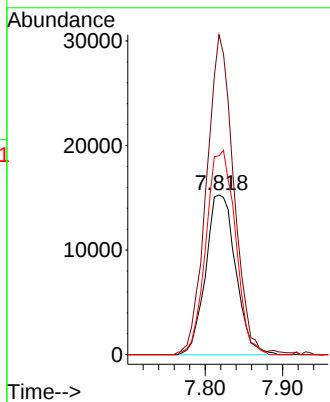
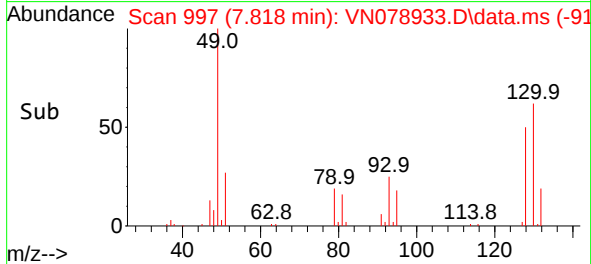
Instrument :
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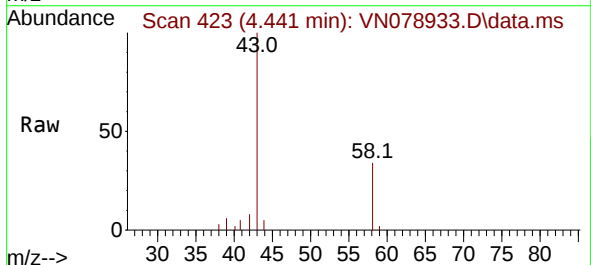
Tgt Ion:128 Resp: 4100
Ion Ratio Lower Upper
128 100
49 181.2 0.0 481.8
130 126.3 0.0 320.5

Manual Integrations
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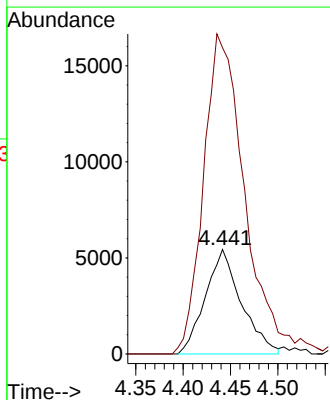
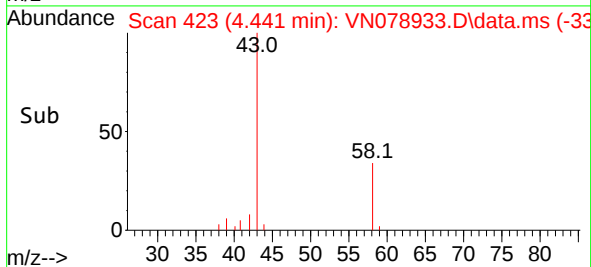
Reviewed By :John Carlone 08/18/2023
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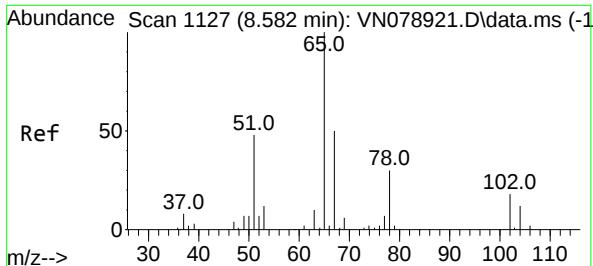


#15
Acetone
Concen: 35.045 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17



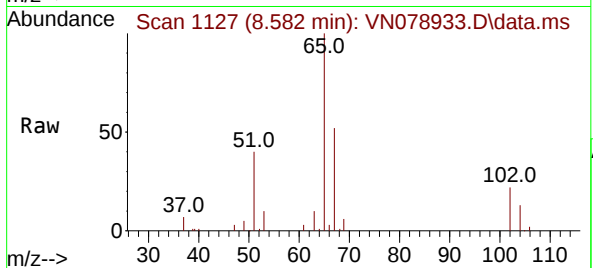
Tgt Ion: 58 Resp: 14386
Ion Ratio Lower Upper
58 100
43 287.0 260.6 390.8





#27
1,2-Dichloroethane-d4
Concen: 29.308 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

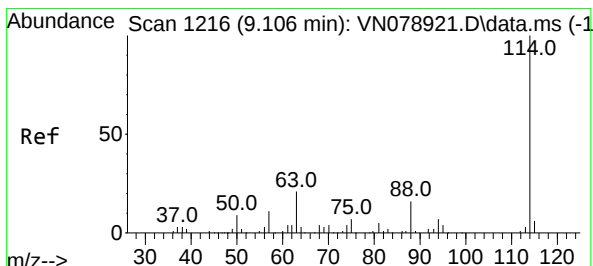
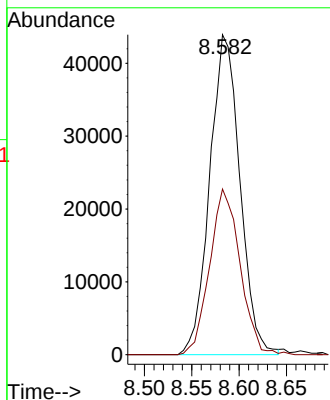
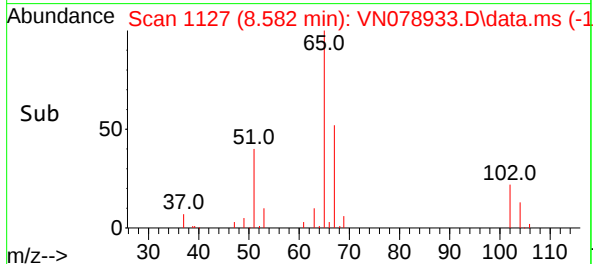
Instrument :
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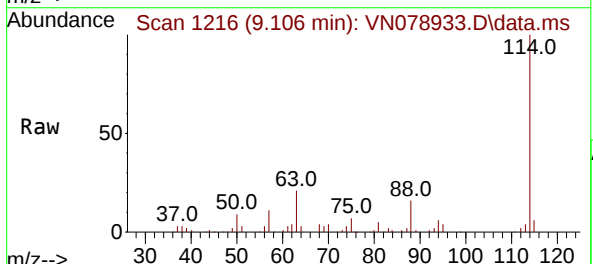
Tgt Ion: 65 Resp: 97350
Ion Ratio Lower Upper
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67 51.8 40.7 61.1

Manual Integrations
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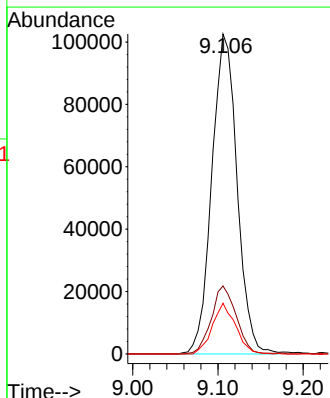
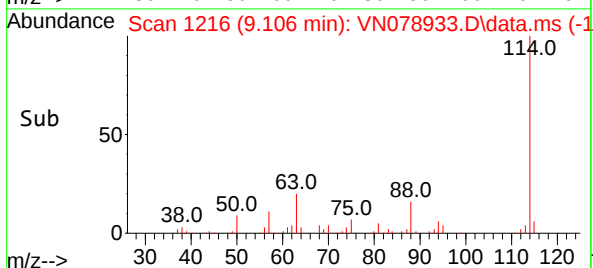
Reviewed By :John Carlone 08/18/2023
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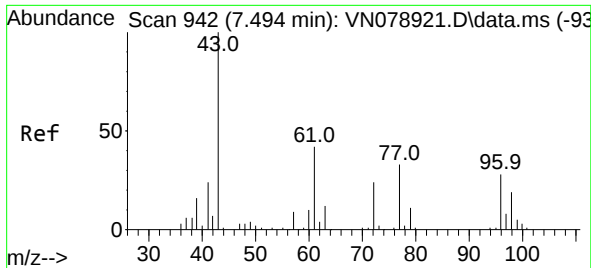


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17



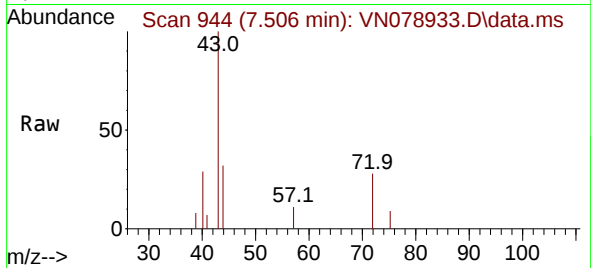
Tgt Ion:114 Resp: 211583
Ion Ratio Lower Upper
114 100
63 20.9 17.4 26.2
88 14.6 12.0 18.0





#30
2-Butanone
Concen: 3.633 ug/l m
RT: 7.506 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

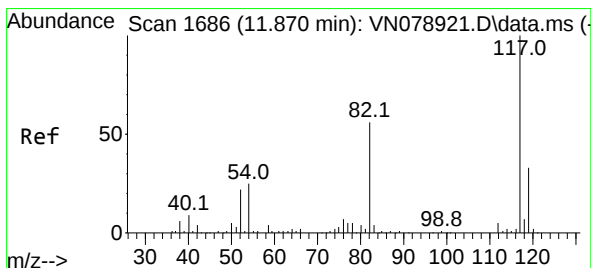
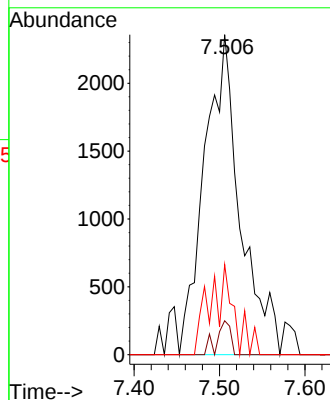
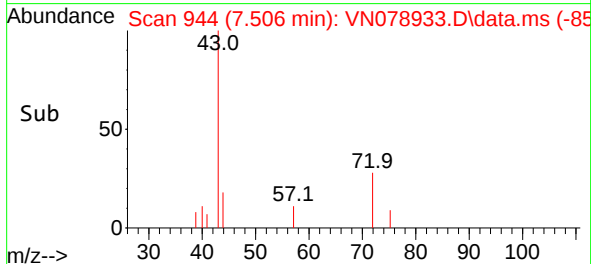
Instrument :
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ClientSampleId :
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Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
57 0.8 6.2 9.4
72 4.0 19.4 29.2

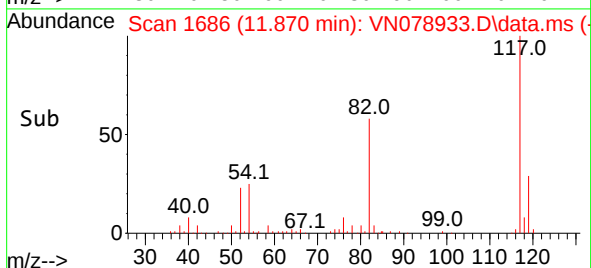
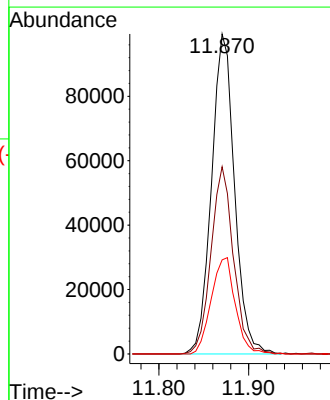
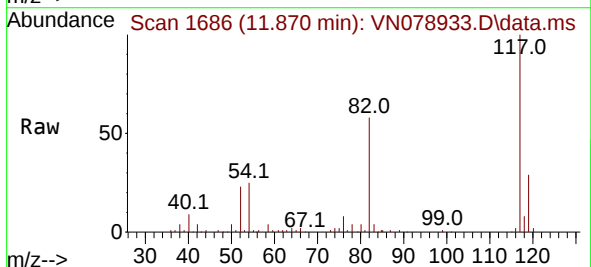
Manual Integrations
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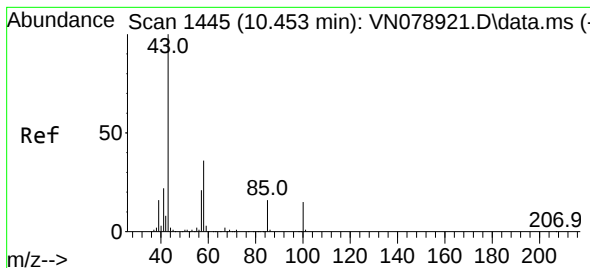
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

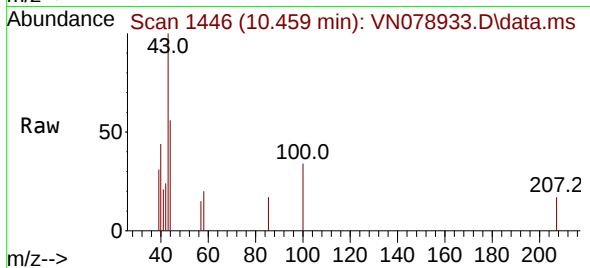
Tgt Ion:117 Resp: 176970
Ion Ratio Lower Upper
117 100
82 57.3 43.4 65.0
119 31.4 25.5 38.3





#58
4-Methyl-2-Pentanone
Concen: 0.549 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

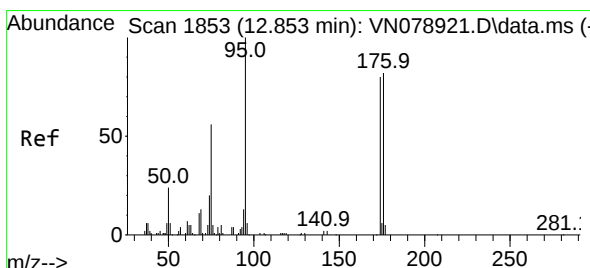
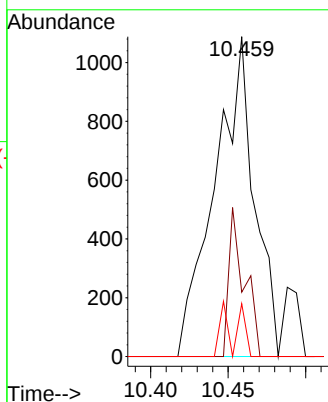
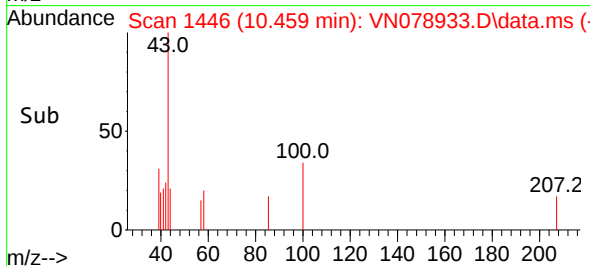
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 43 Resp: 1928
Ion Ratio Lower Upper
43 100
58 18.3 28.8 43.2
85 3.4 12.7 19.1

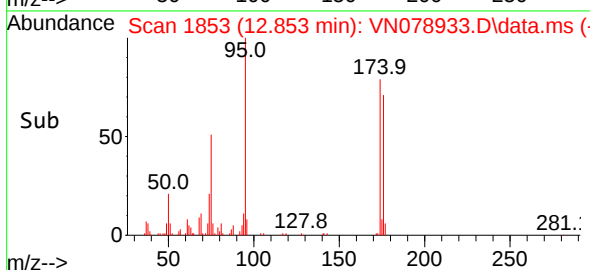
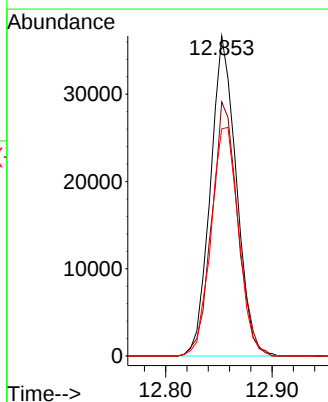
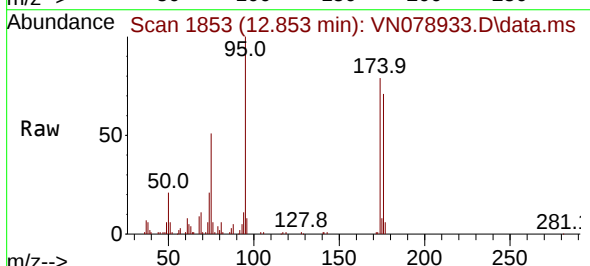
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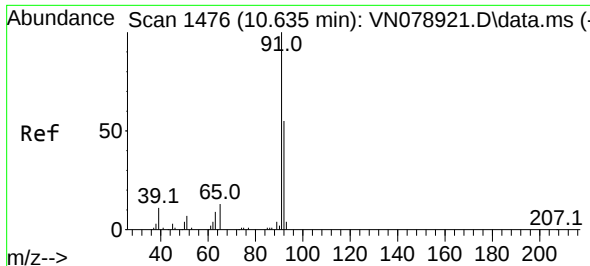
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#60
4-Bromofluorobenzene
Concen: 23.933 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

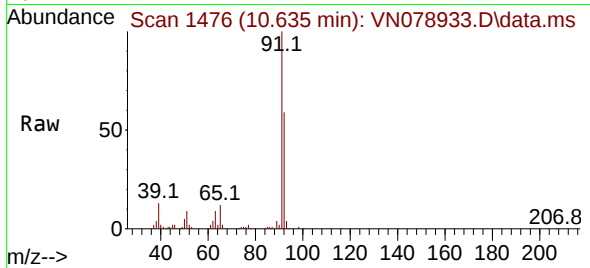
Tgt Ion: 95 Resp: 61784
Ion Ratio Lower Upper
95 100
174 80.1 64.8 97.2
176 76.1 63.0 94.6





#62
Toluene
Concen: 21.032 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17

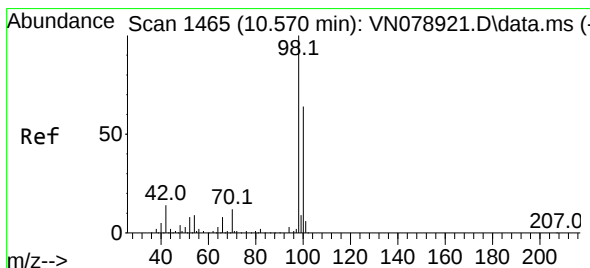
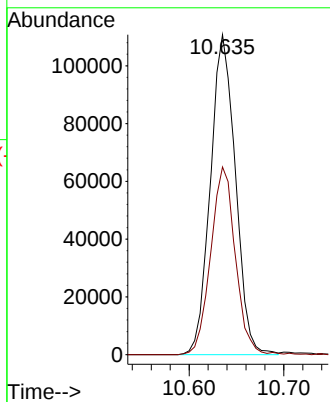
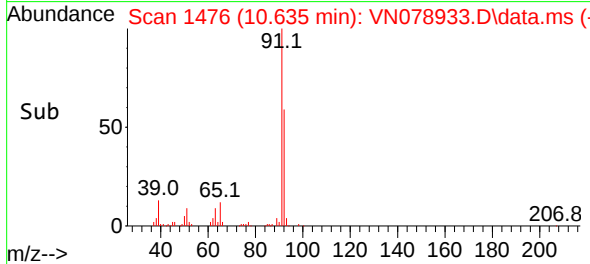
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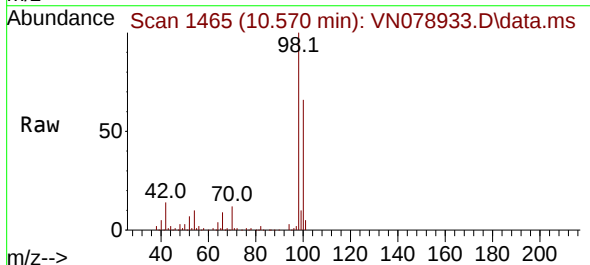
Tgt Ion: 91 Resp: 203204
Ion Ratio Lower Upper
91 100
92 57.5 44.7 67.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#63
Toluene-d8
Concen: 30.593 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078933.D
Acq: 17 Aug 2023 18:17



Tgt Ion: 98 Resp: 252831
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

