

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080223\
 Data File : VN078737.D
 Acq On : 02 Aug 2023 19:15
 Operator : JC\MD
 Sample : 03884-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 03 05:33:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/03/2023
 Supervised By :Semsettin Yesilyurt 08/03/2023

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

Internal Standards						
1) Bromochloromethane	7.824	128	96138	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	512045	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	442602	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	214720	29.796	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.333%		
60) 4-Bromofluorobenzene	12.853	95	158952	23.964	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	79.867%		
63) Toluene-d8	10.576	98	640380	29.289	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.633%		
Target Compounds						
						Qvalue
15) Acetone	4.441	58	1103640	1497.353	ug/l	92
16) Carbon Disulfide	4.730	76	19308	1.276	ug/l #	93
18) Methylene Chloride	5.283	84	6847m	1.066	ug/l	
25) Chloroform	7.977	83	143280	12.412	ug/l	89
30) 2-Butanone	7.494	43	132840	44.601	ug/l #	55
41) Bromodichloromethane	9.894	83	12114	1.443	ug/l	97
58) 4-Methyl-2-Pentanone	10.459	43	28585	4.315	ug/l	98
62) Toluene	10.635	91	11446478	429.947	ug/l	99
66) Ethyl Benzene	11.970	91	10039	0.374	ug/l	97
67) m/p-Xylenes	12.070	106	7495m	0.731	ug/l	
68) o-Xylene	12.406	106	3651	0.350	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	9172	0.417	ug/l	85
82) p-Isopropyltoluene	13.735	119	47852	2.294	ug/l	93

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

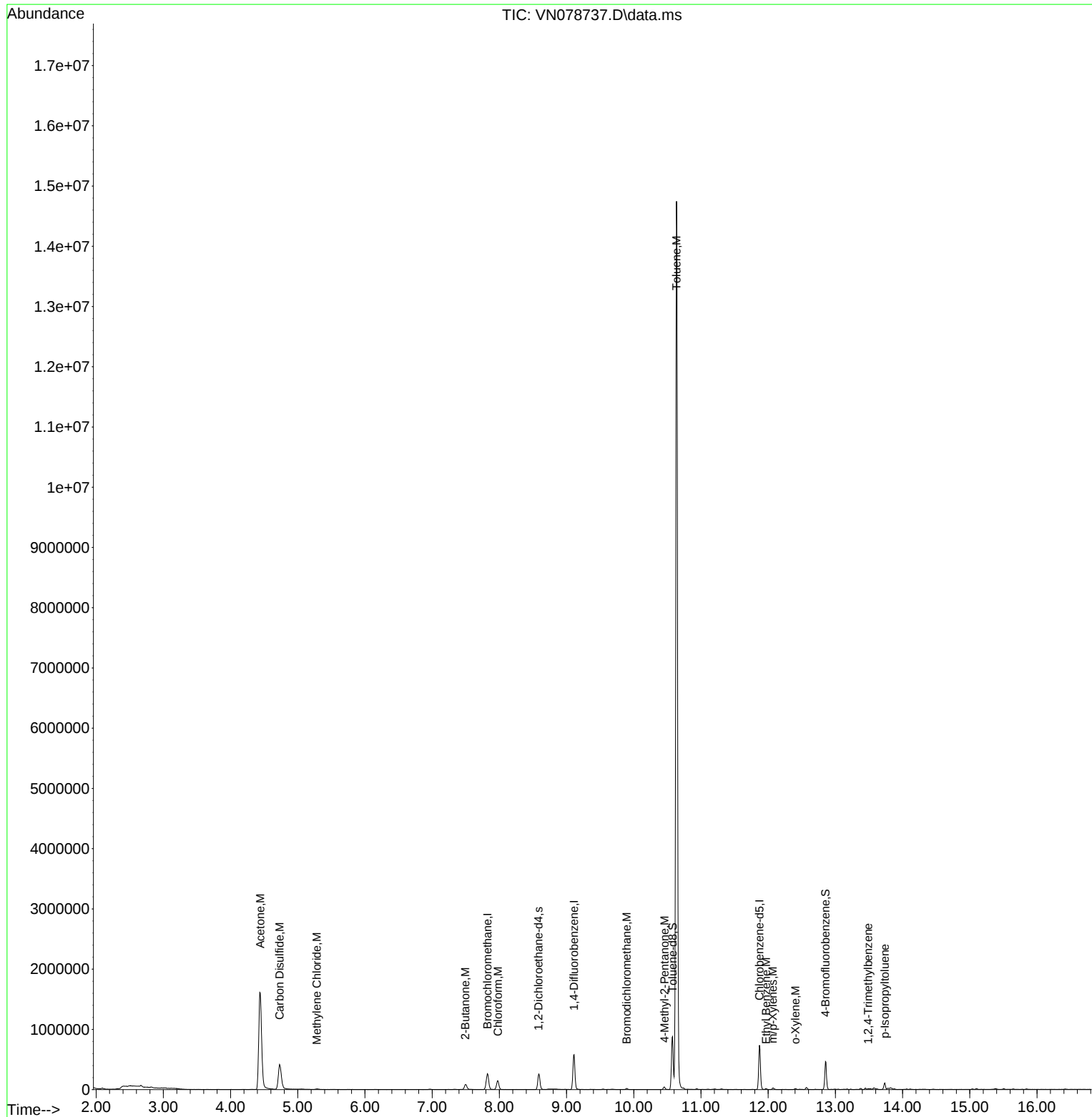
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080223\
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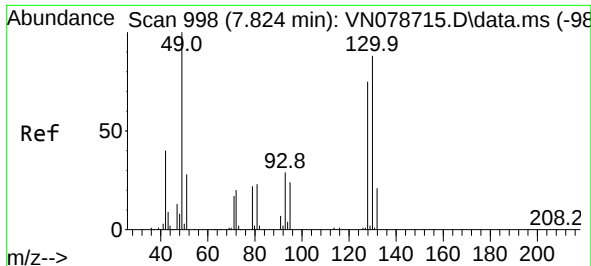
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

Quant Time: Aug 03 05:33:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
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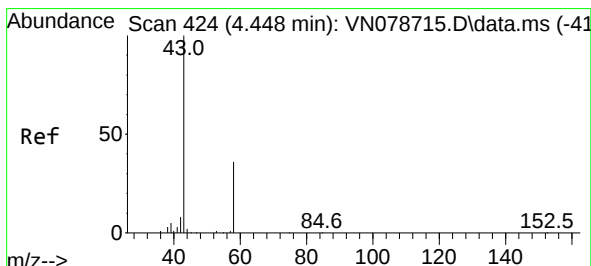
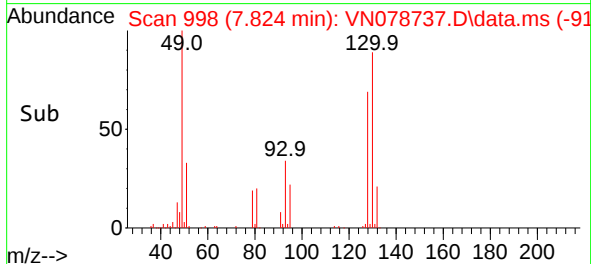
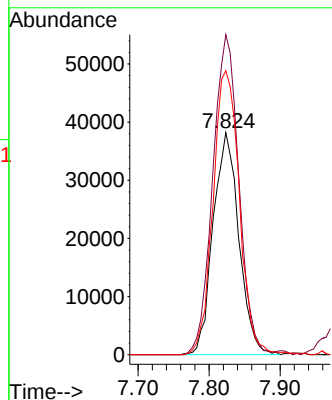
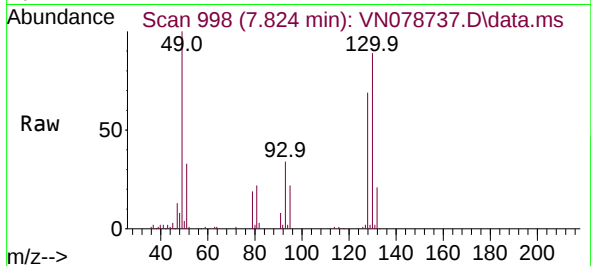
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

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

Tgt Ion: 128 Resp: 96138
Ion Ratio Lower Upper
128 100
49 145.6 0.0 370.8
130 131.2 0.0 307.0

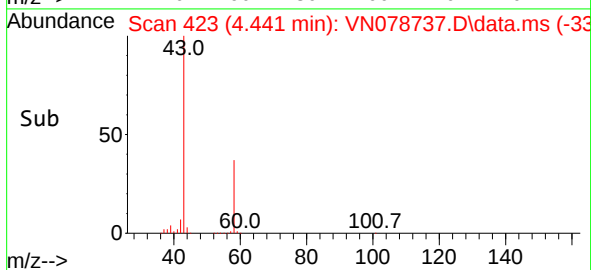
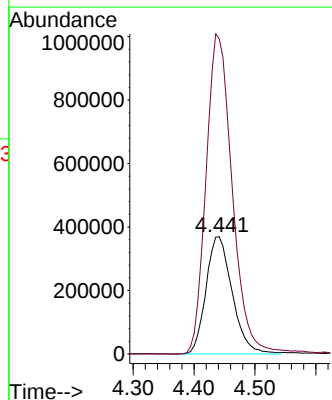
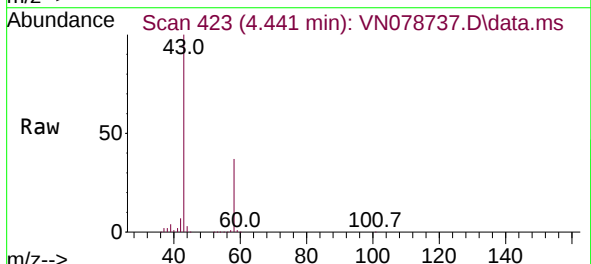
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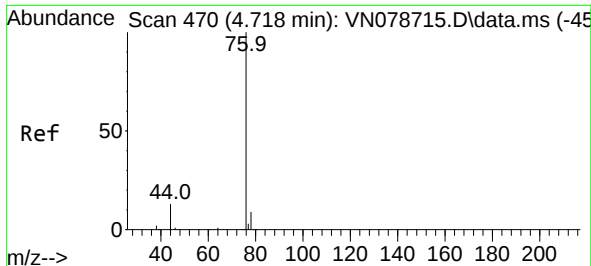
Reviewed By : John Carlone 08/03/2023
Supervised By : Semsettin Yesilyurt 08/03/2023



#15
Acetone
Concen: 1497.353 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

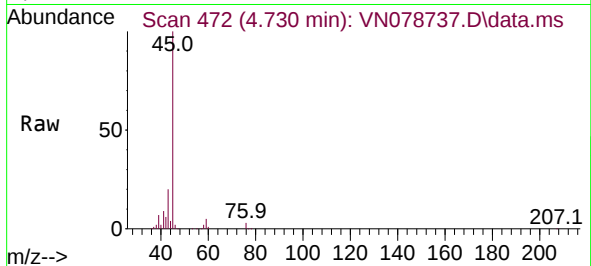
Tgt Ion: 58 Resp: 1103640
Ion Ratio Lower Upper
58 100
43 268.5 227.5 341.3





#16
Carbon Disulfide
Concen: 1.276 ug/l
RT: 4.730 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

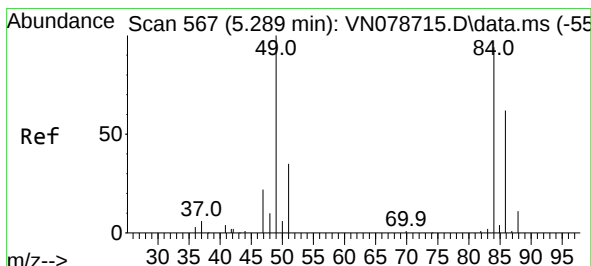
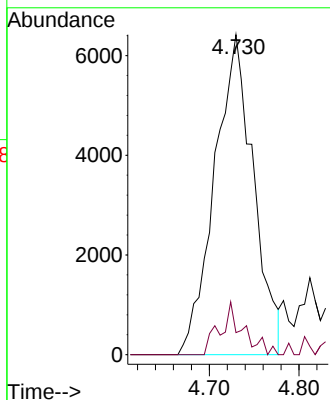
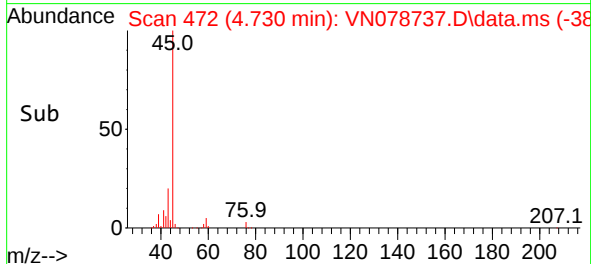
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 76 Resp: 19308
Ion Ratio Lower Upper
76 100
78 6.9 7.7 11.5

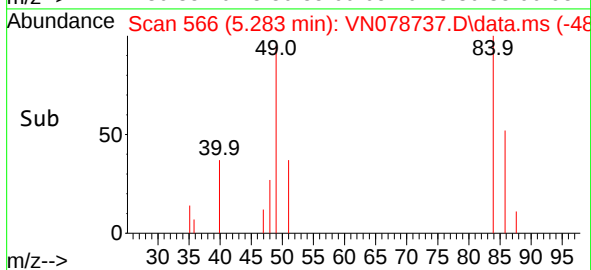
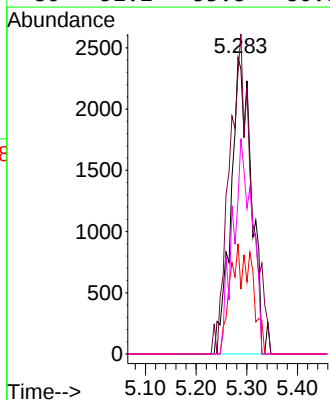
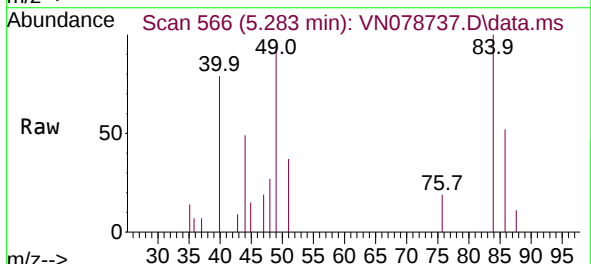
Manual Integrations
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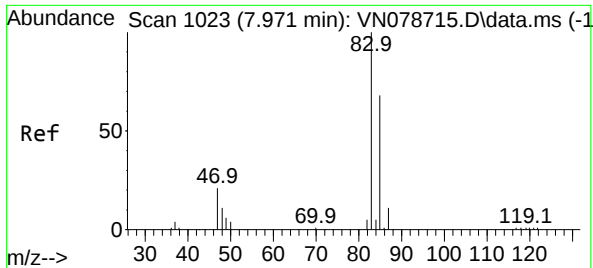
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#18
Methylene Chloride
Concen: 1.066 ug/l m
RT: 5.283 min Scan# 566
Delta R.T. -0.006 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

Tgt Ion: 84 Resp: 6847
Ion Ratio Lower Upper
84 100
49 95.0 88.1 132.1
51 37.1 24.0 36.0#
86 52.2 53.8 80.8#





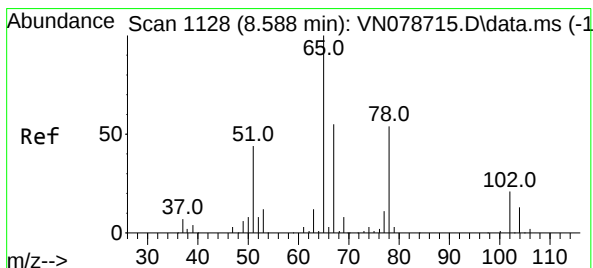
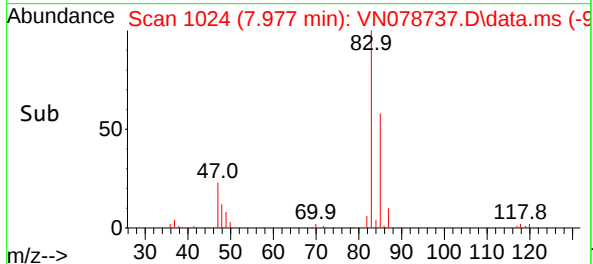
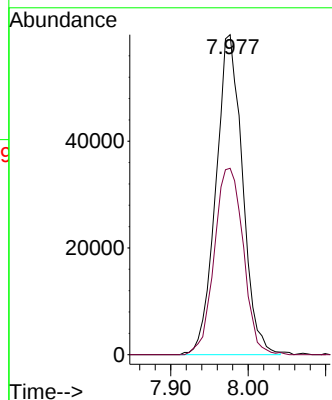
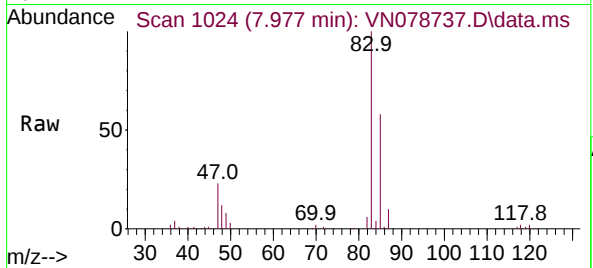
#25
Chloroform
Concen: 12.412 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

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

Tgt Ion: 83 Resp: 143280
Ion Ratio Lower Upper
83 100
85 58.3 53.4 80.0

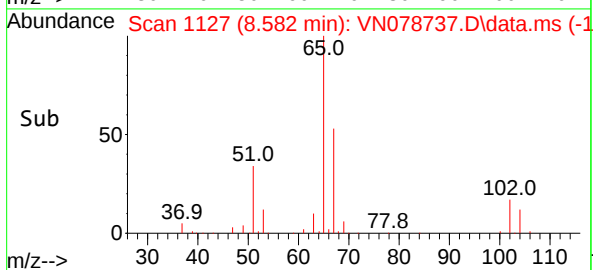
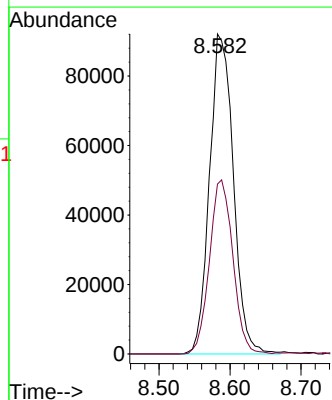
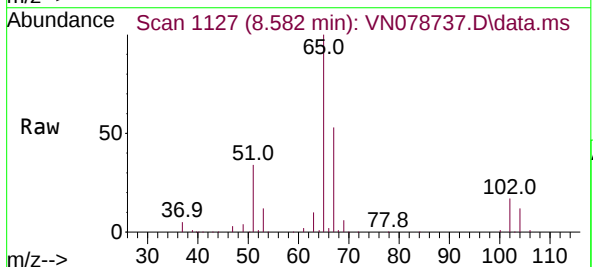
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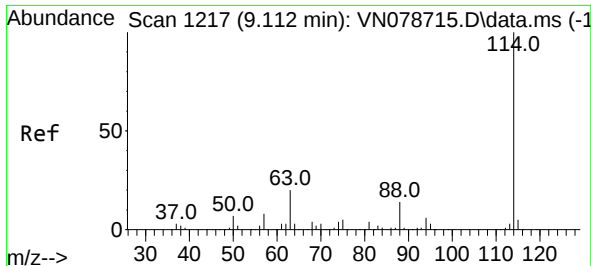
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#27
1,2-Dichloroethane-d4
Concen: 29.796 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

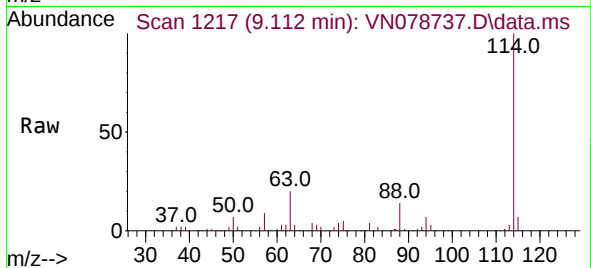
Tgt Ion: 65 Resp: 214720
Ion Ratio Lower Upper
65 100
67 53.5 42.9 64.3





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

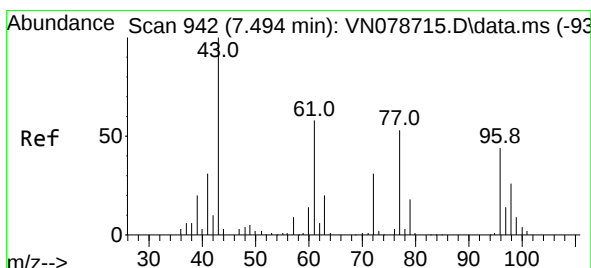
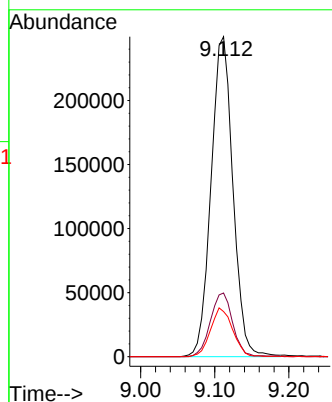
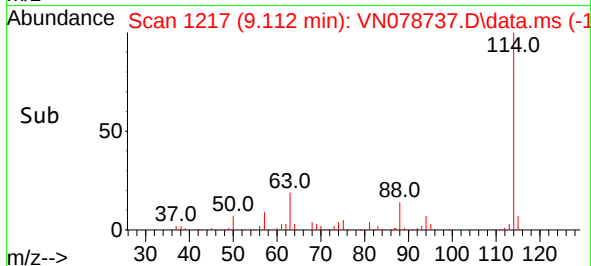
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 114 Resp: 512049
Ion Ratio Lower Upper
114 100
63 20.2 15.2 22.8
88 15.3 12.5 18.7

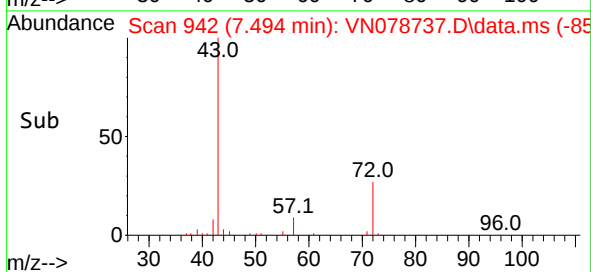
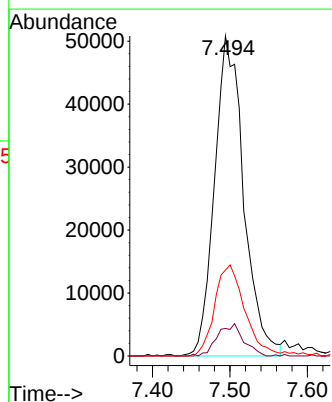
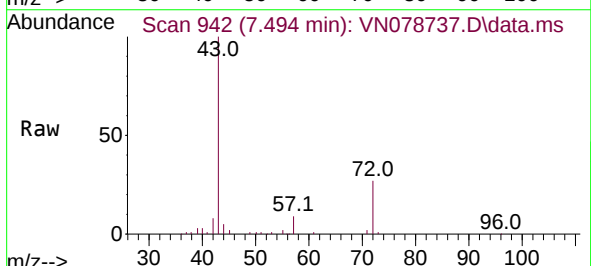
Manual Integrations
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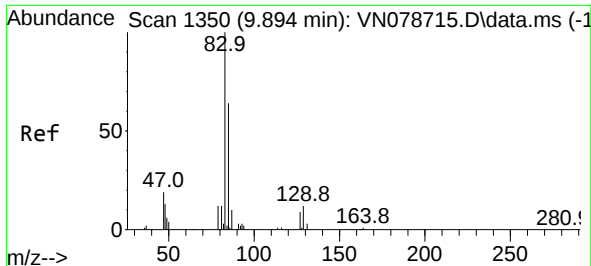
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#30
2-Butanone
Concen: 44.601 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

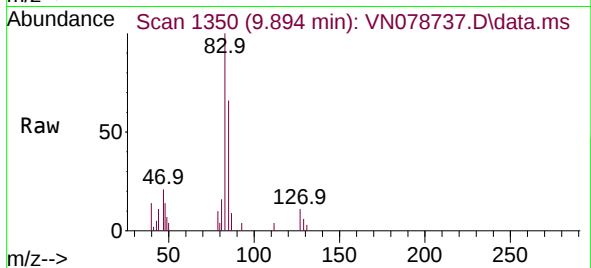
Tgt Ion: 43 Resp: 132840
Ion Ratio Lower Upper
43 100
57 4.9 6.8 10.2#
72 0.0 23.8 35.6#





#41
Bromodichloromethane
Concen: 1.443 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

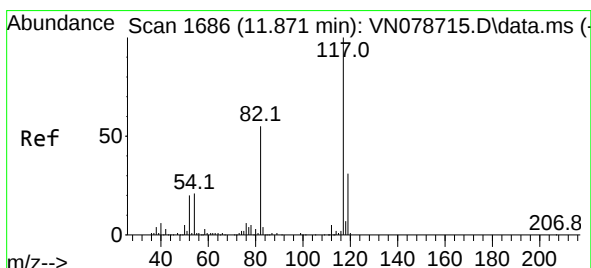
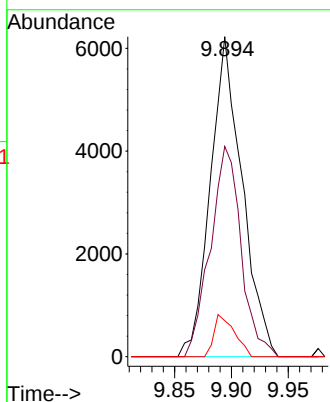
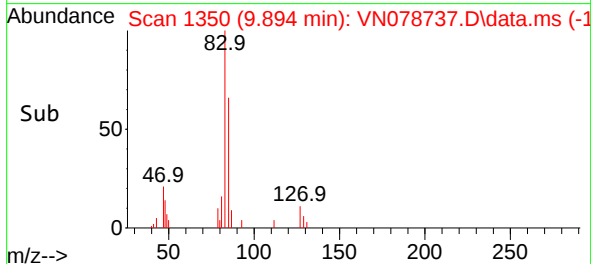
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(JUNE)



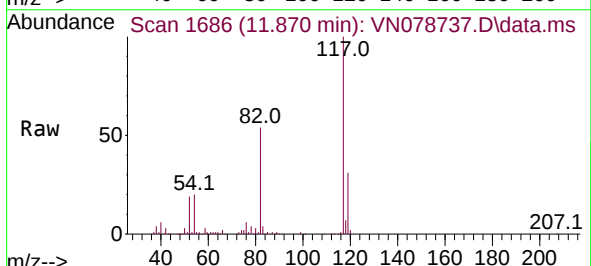
Tgt Ion: 83 Resp: 12114
Ion Ratio Lower Upper
83 100
85 65.7 54.1 81.1
127 11.2 7.8 11.6

Manual Integrations
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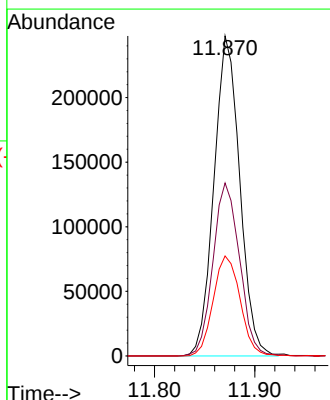
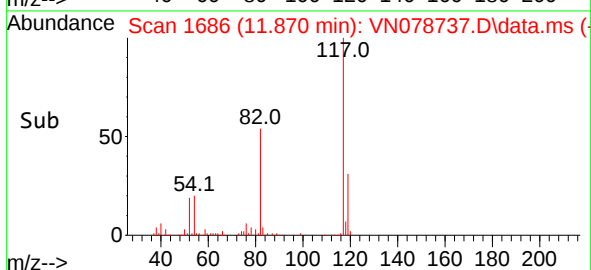
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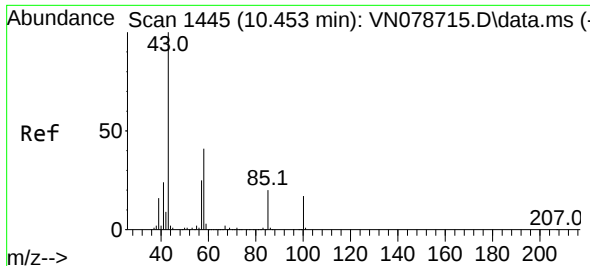


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15



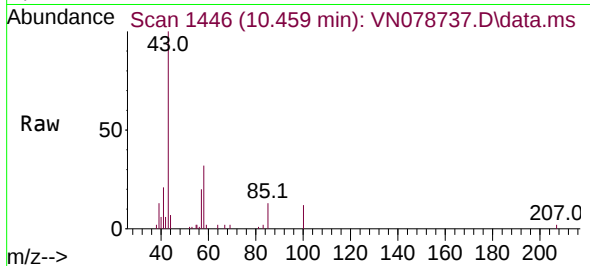
Tgt Ion:117 Resp: 442602
Ion Ratio Lower Upper
117 100
82 55.7 43.9 65.9
119 32.7 26.2 39.4





#58
4-Methyl-2-Pentanone
Concen: 4.315 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

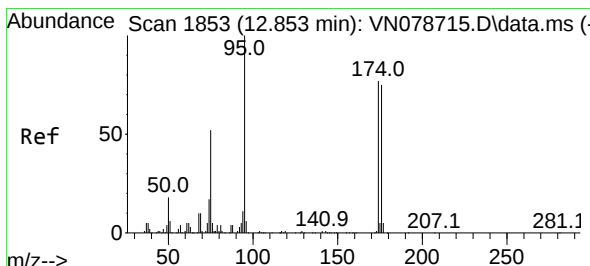
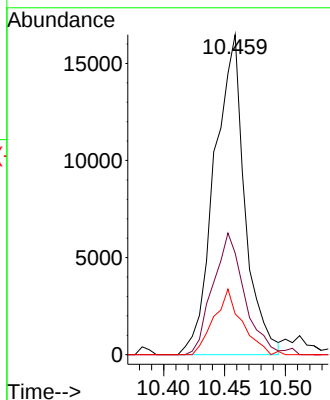
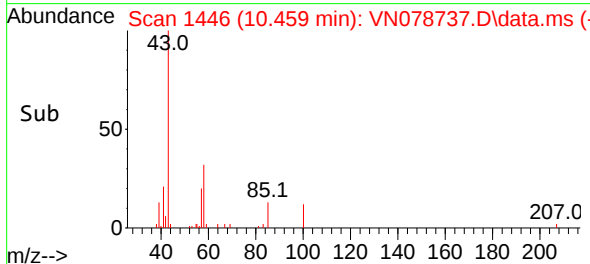
Instrument :
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ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 43 Resp: 2858
Ion Ratio Lower Upper
43 100
58 39.5 32.6 48.8
85 18.7 16.2 24.2

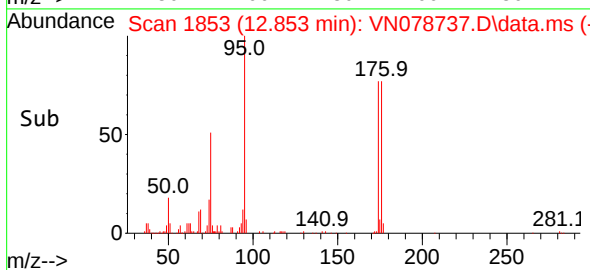
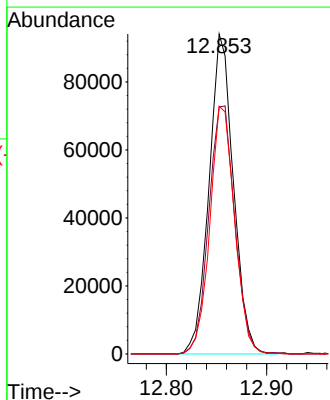
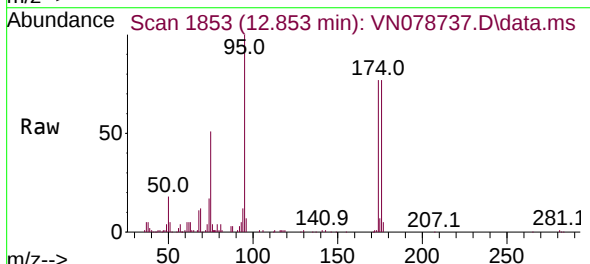
Manual Integrations
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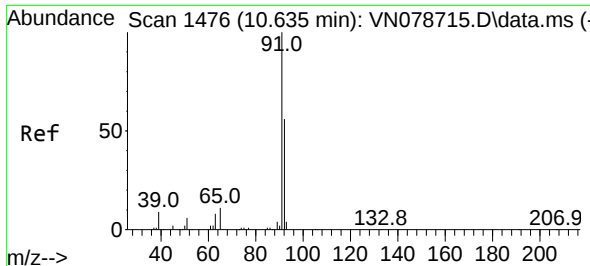
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#60
4-Bromofluorobenzene
Concen: 23.964 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

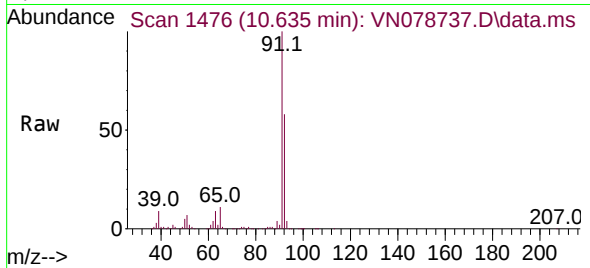
Tgt Ion: 95 Resp: 158952
Ion Ratio Lower Upper
95 100
174 82.6 61.7 92.5
176 78.4 58.1 87.1





#62
Toluene
Concen: 429.947 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

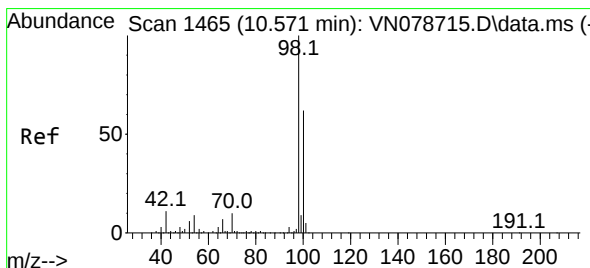
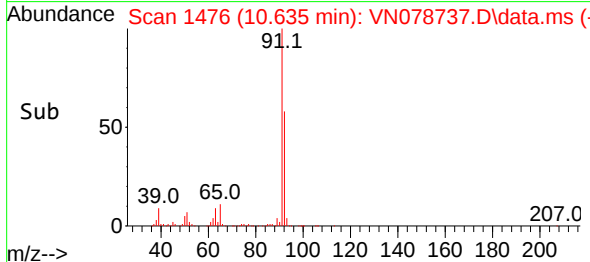
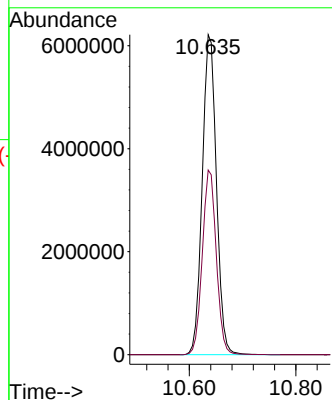
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)



Tgt Ion: 91 Resp:11446478
Ion Ratio Lower Upper
91 100
92 57.0 45.2 67.8

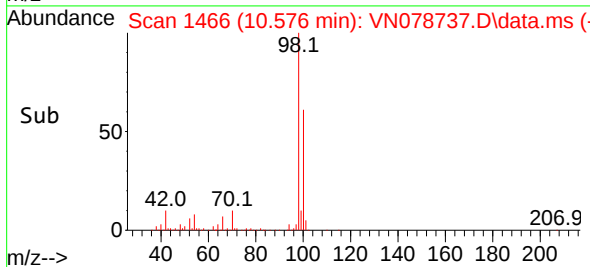
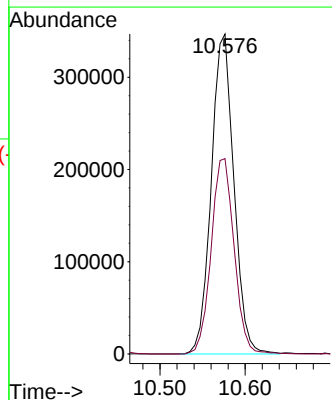
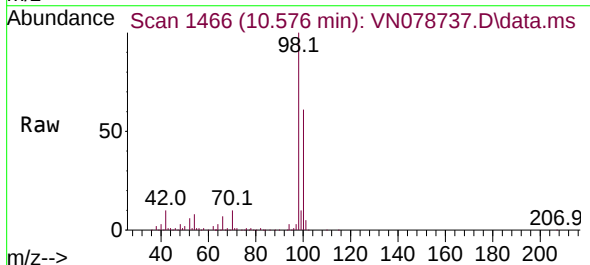
Manual Integrations
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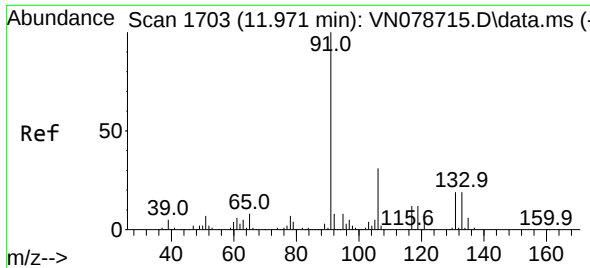
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#63
Toluene-d8
Concen: 29.289 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

Tgt Ion: 98 Resp: 640380
Ion Ratio Lower Upper
98 100
100 62.0 49.7 74.5





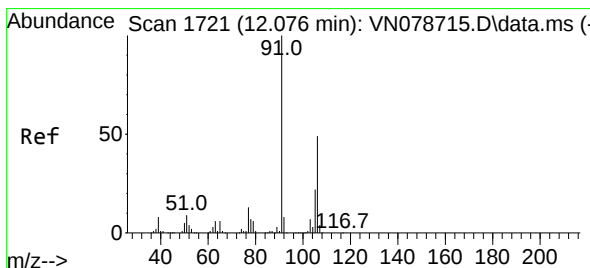
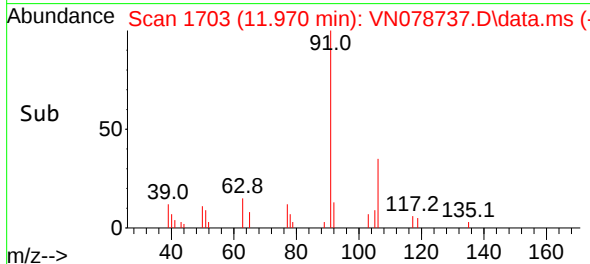
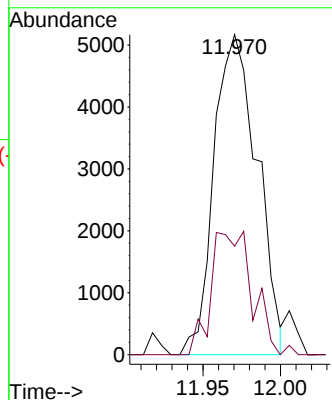
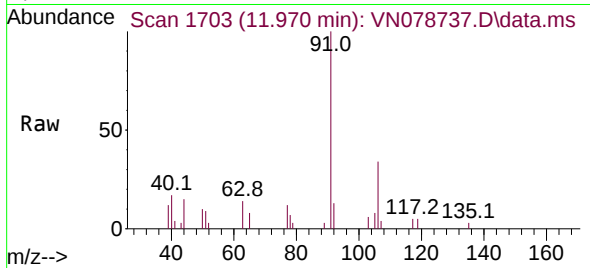
#66
Ethyl Benzene
Concen: 0.374 ug/l
RT: 11.970 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

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

Tgt Ion: 91 Resp: 10039
Ion Ratio Lower Upper
91 100
106 33.9 25.6 38.4

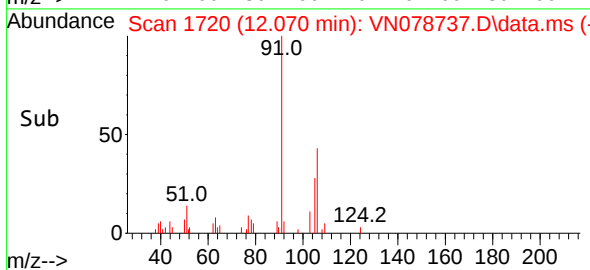
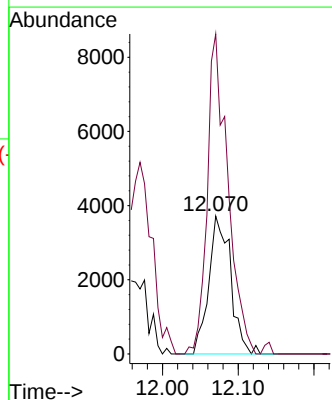
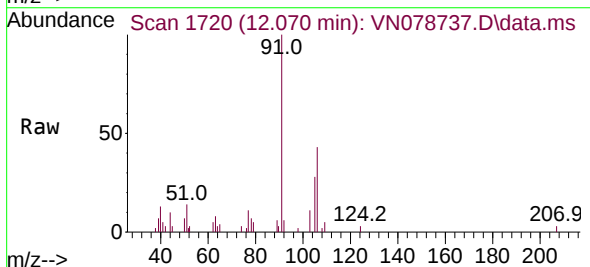
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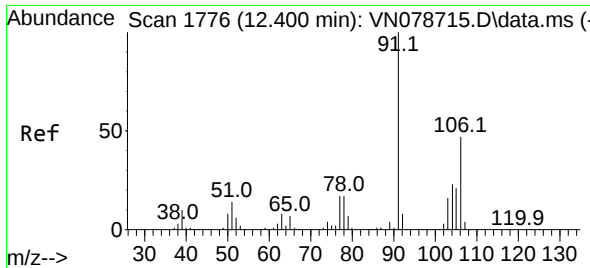
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#67
m/p-Xylenes
Concen: 0.731 ug/l m
RT: 12.070 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

Tgt Ion:106 Resp: 7495
Ion Ratio Lower Upper
106 100
91 102.9 162.5 243.7#





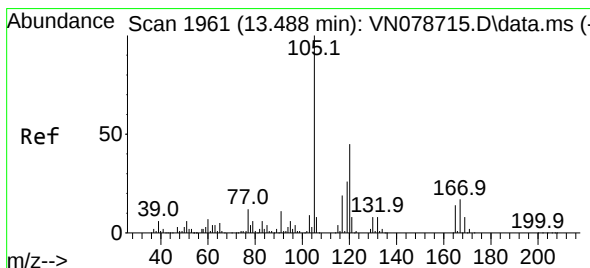
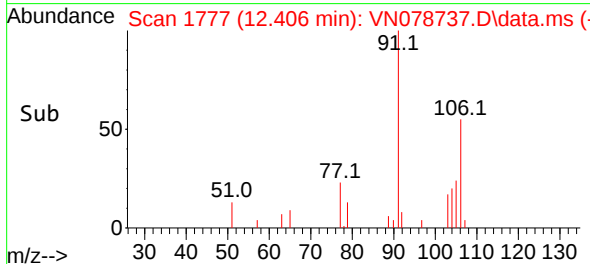
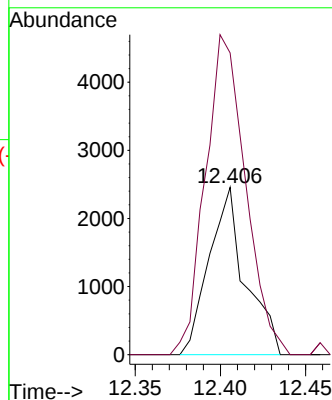
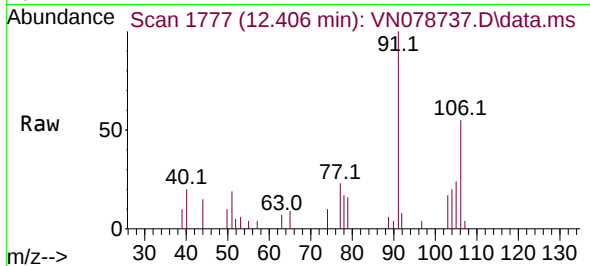
#68
o-Xylene
Concen: 0.350 ug/l
RT: 12.406 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

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

Tgt Ion:106 Resp: 365
Ion Ratio Lower Upper
106 100
91 211.3 106.1 318.3

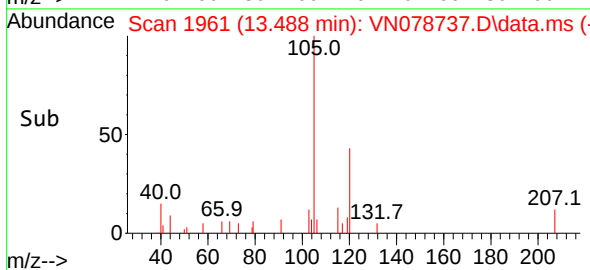
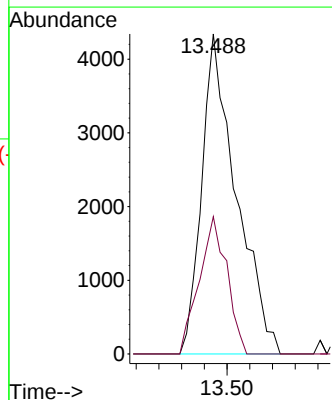
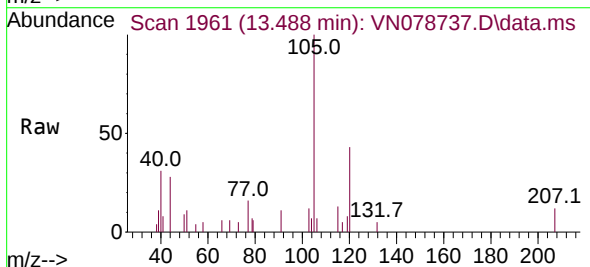
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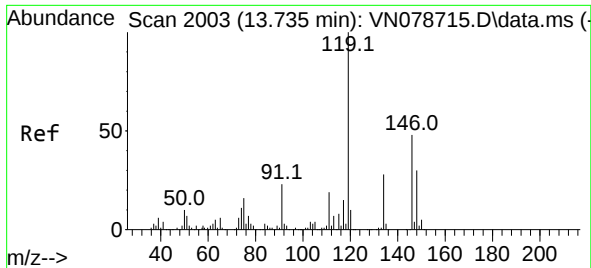
Reviewed By :John Carlone 08/03/2023
Supervised By :Semsettin Yesilyurt 08/03/2023



#80
1,2,4-Trimethylbenzene
Concen: 0.417 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN078737.D
Acq: 02 Aug 2023 19:15

Tgt Ion:105 Resp: 9172
Ion Ratio Lower Upper
105 100
120 34.3 0.0 88.2





#82
 p-Isopropyltoluene
 Concen: 2.294 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: VN078737.D
 Acq: 02 Aug 2023 19:15

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.7	0.0	52.4
91	29.1	0.0	48.2

Manual Integrations
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Reviewed By :John Carlone 08/03/2023
 Supervised By :Semsettin Yesilyurt 08/03/2023

