

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078519.D
 Acq On : 14 Jul 2023 13:58
 Operator : JC\MD
 Sample : 03580-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-1

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 15 04:01:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	400785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	748200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	724846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	257533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274931	51.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.340%			
35) Dibromofluoromethane	8.171	113	266052	52.383	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.760%			
50) Toluene-d8	10.576	98	896587	46.729	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.460%			
62) 4-Bromofluorobenzene	12.859	95	305859	51.753	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.500%			
Target Compounds					Qvalue	
16) Acetone	4.441	43	139935	83.609	ug/l	89
20) Methylene Chloride	5.294	84	25981m	4.294	ug/l	
25) 2-Butanone	7.500	43	79485	30.170	ug/l #	83
37) Ethyl Acetate	7.582	43	22363	3.658	ug/l #	78
43) Isopropyl Acetate	8.700	43	236826	23.530	ug/l #	84
51) 4-Methyl-2-Pentanone	10.453	43	263258	43.973	ug/l	91

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

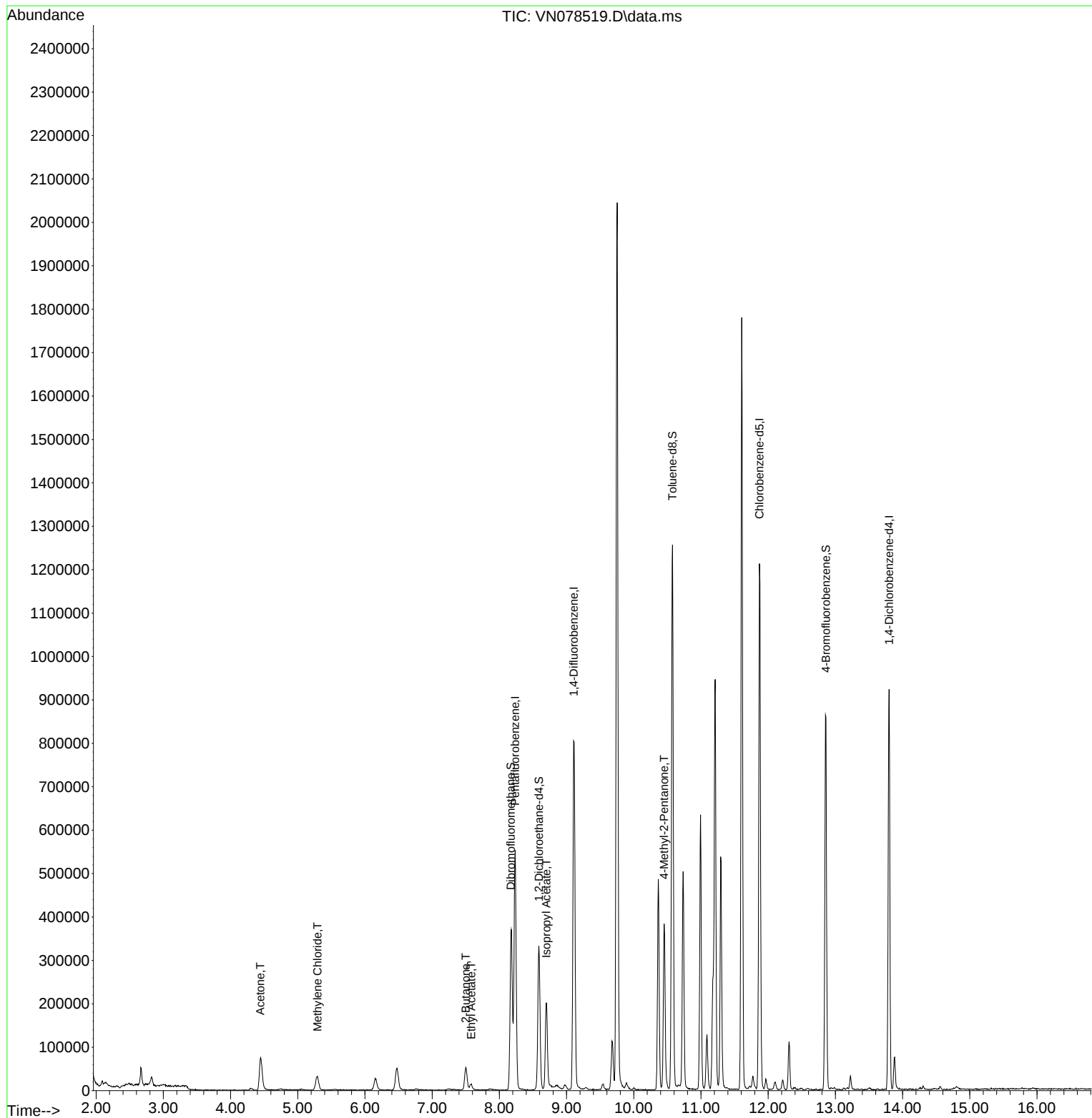
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
Data File : VN078519.D
Acq On : 14 Jul 2023 13:58
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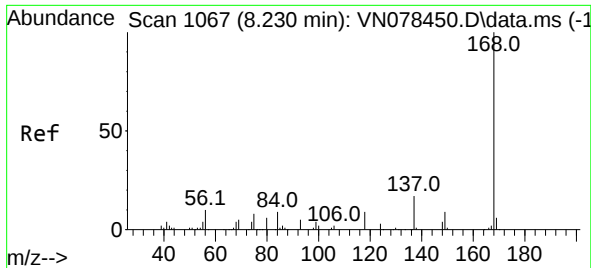
Instrument :
MSVOA_N
ClientSampleId :
WASTE-1

Quant Time: Jul 15 04:01:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Manual Integrations
APPROVED

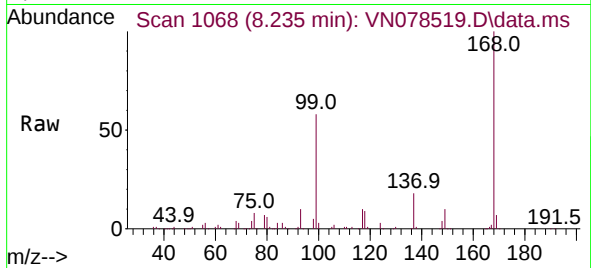
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078519.D
Acq: 14 Jul 2023 13:58

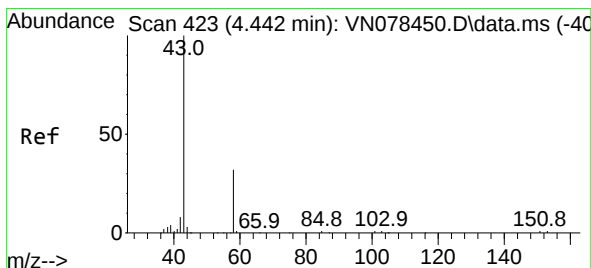
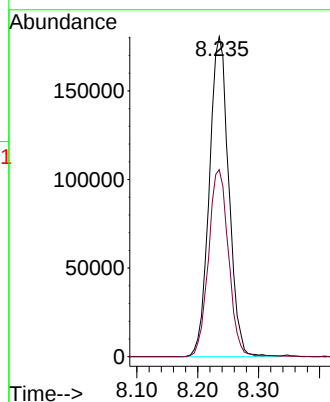
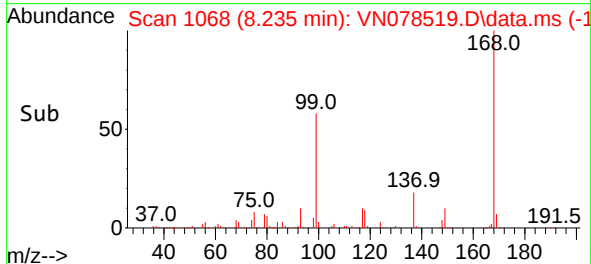
Instrument :
MSVOA_N
ClientSampleId :
WASTE-1



Tgt Ion:168 Resp: 400785
Ion Ratio Lower Upper
168 100
99 58.5 53.0 79.6

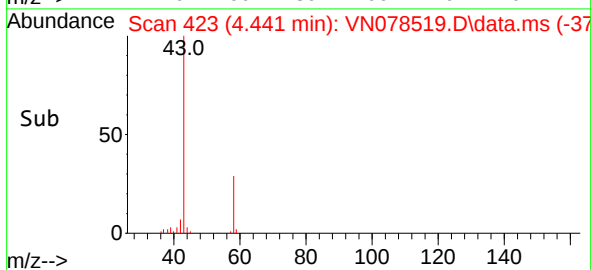
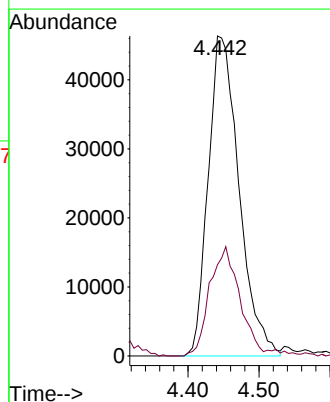
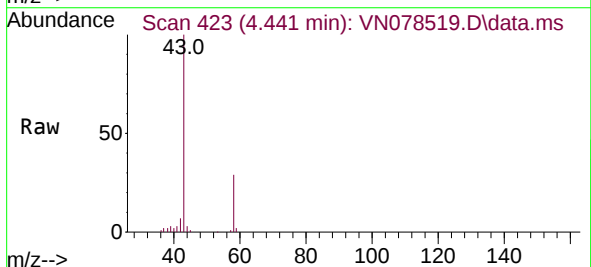
Manual Integrations
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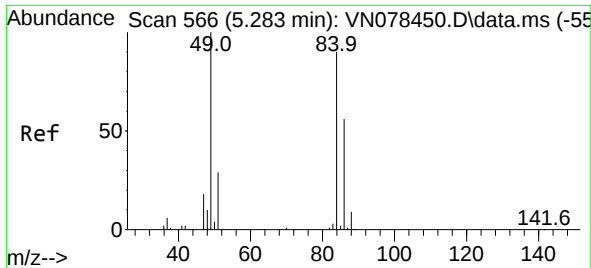
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#16
Acetone
Concen: 83.609 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.001 min
Lab File: VN078519.D
Acq: 14 Jul 2023 13:58

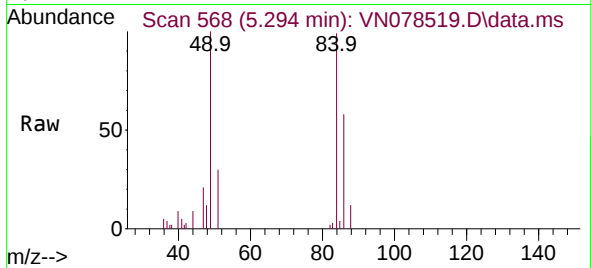
Tgt Ion: 43 Resp: 139935
Ion Ratio Lower Upper
43 100
58 28.5 28.0 42.0





#20
Methylene Chloride
Concen: 4.294 ug/l m
RT: 5.294 min Scan# 511
Delta R.T. 0.011 min
Lab File: VN078519.D
Acq: 14 Jul 2023 13:58

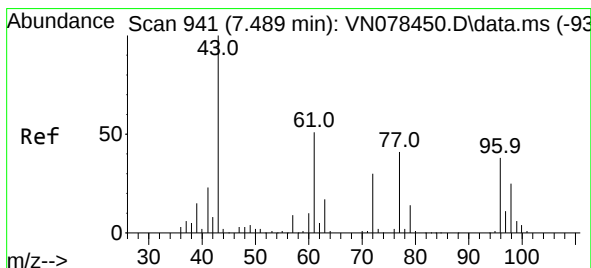
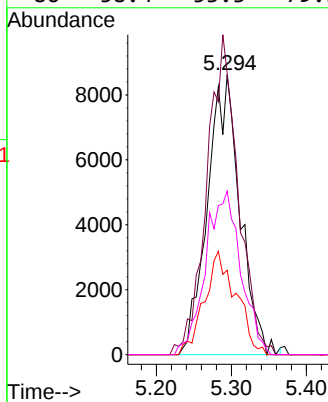
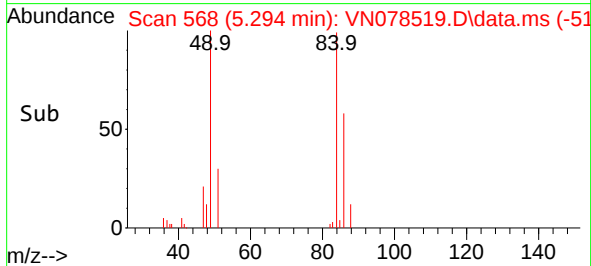
Instrument :
MSVOA_N
ClientSampleId :
WASTE-1



Tgt Ion: 84 Resp: 2598
Ion Ratio Lower Upper
84 100
49 100.7 79.7 119.5
51 30.2 25.2 37.8
86 58.4 53.3 79.9

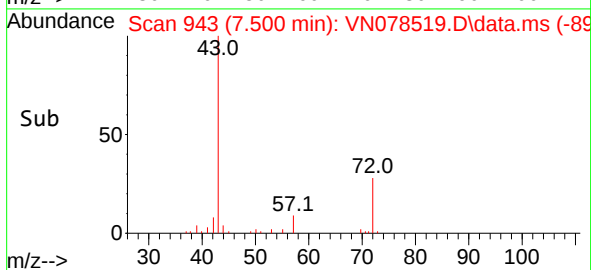
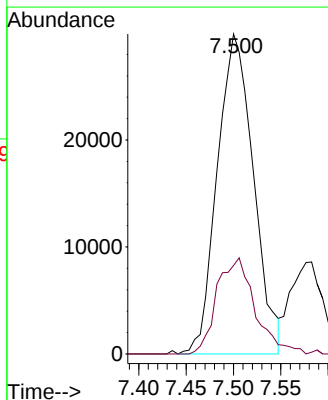
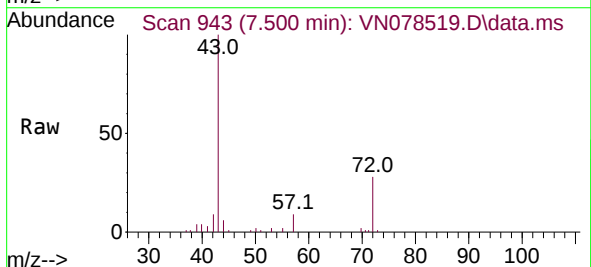
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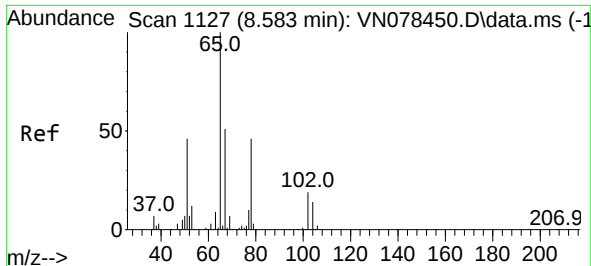
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#25
2-Butanone
Concen: 30.170 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.011 min
Lab File: VN078519.D
Acq: 14 Jul 2023 13:58

Tgt Ion: 43 Resp: 79485
Ion Ratio Lower Upper
43 100
72 27.7 30.2 45.2#





#33

1,2-Dichloroethane-d4

Concen: 51.169 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078519.D

Acq: 14 Jul 2023 13:58

Instrument :

MSVOA_N

ClientSampleId :

WASTE-1

Tgt Ion: 65 Resp: 27493

Ion Ratio Lower Upper

65 100

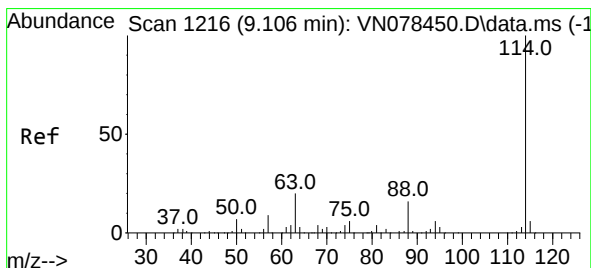
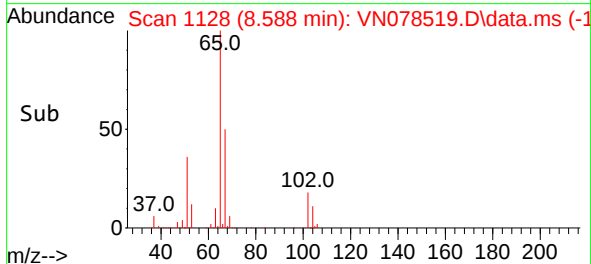
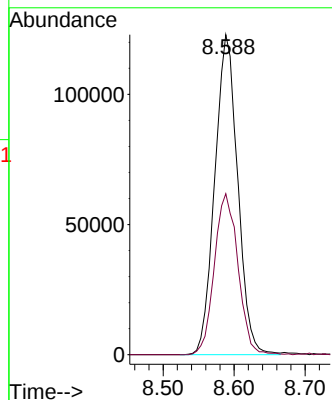
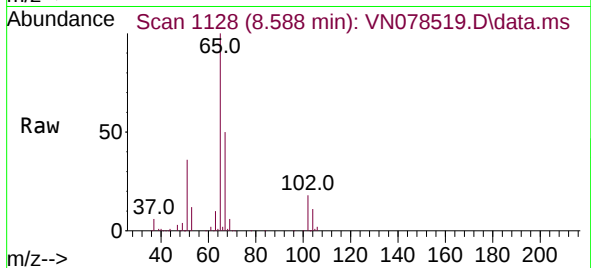
67 51.9 0.0 106.6

Manual Integrations

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Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078519.D

Acq: 14 Jul 2023 13:58

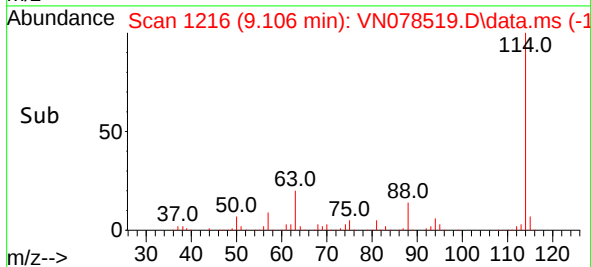
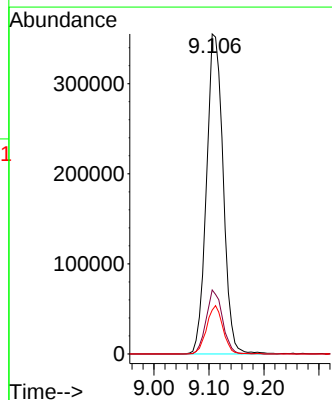
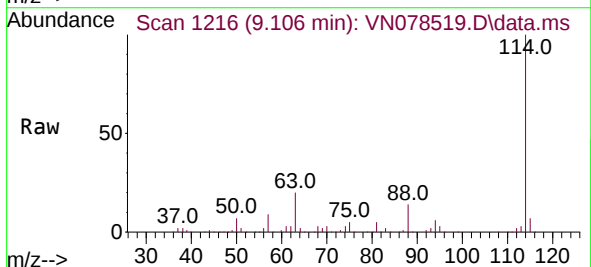
Tgt Ion:114 Resp: 748200

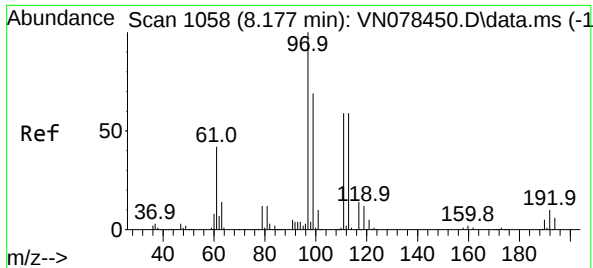
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

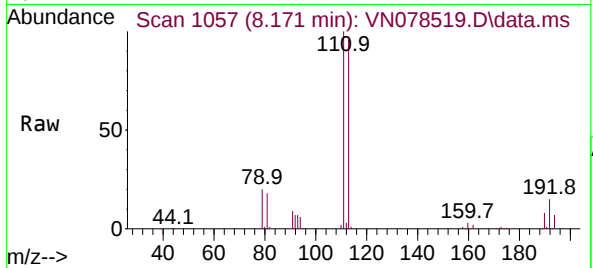
88 13.7 0.0 30.6





#35
 Dibromofluoromethane
 Concen: 52.383 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. -0.006 min
 Lab File: VN078519.D
 Acq: 14 Jul 2023 13:58

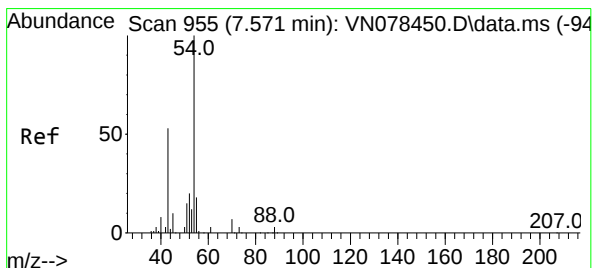
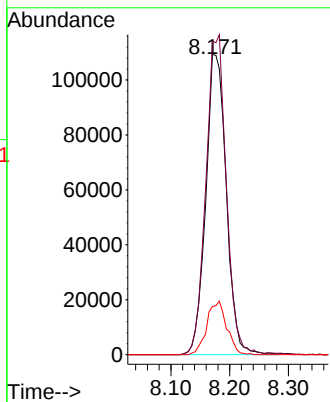
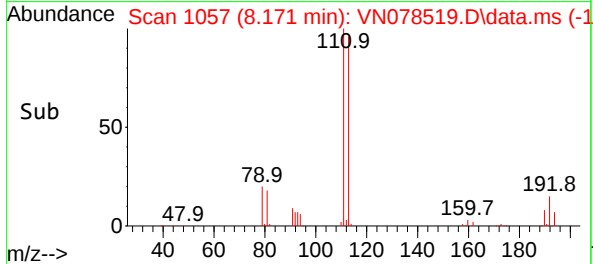
Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-1



Tgt Ion: 113 Resp: 266052
 Ion Ratio Lower Upper
 113 100
 111 105.7 82.6 123.8
 192 17.2 12.7 19.1

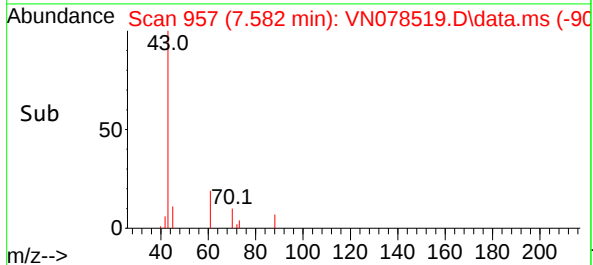
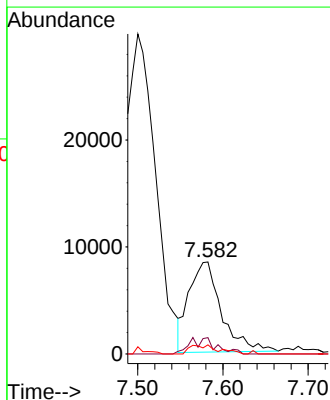
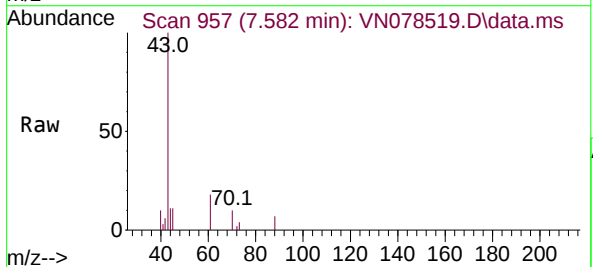
Manual Integrations
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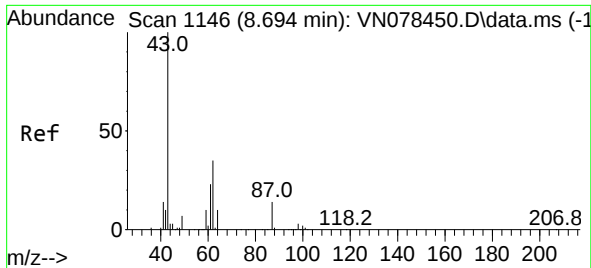
Reviewed By :John Carlone 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#37
 Ethyl Acetate
 Concen: 3.658 ug/l
 RT: 7.582 min Scan# 957
 Delta R.T. 0.011 min
 Lab File: VN078519.D
 Acq: 14 Jul 2023 13:58

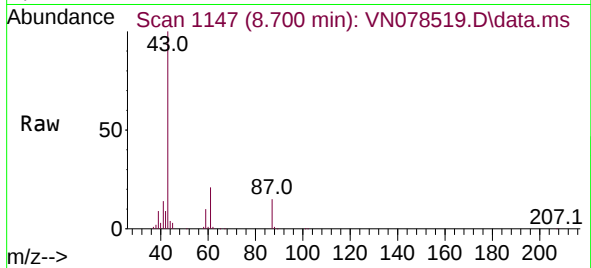
Tgt Ion: 43 Resp: 22363
 Ion Ratio Lower Upper
 43 100
 61 5.6 13.2 19.8#
 70 6.6 11.3 16.9#





#43
Isopropyl Acetate
Concen: 23.530 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078519.D
Acq: 14 Jul 2023 13:58

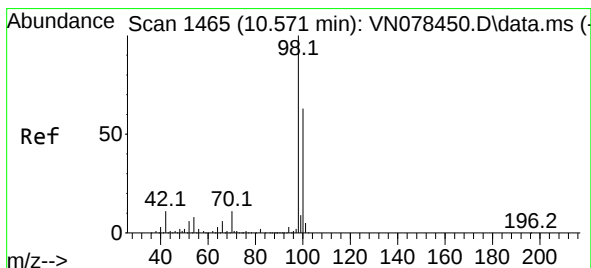
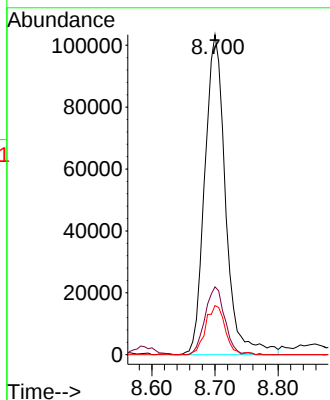
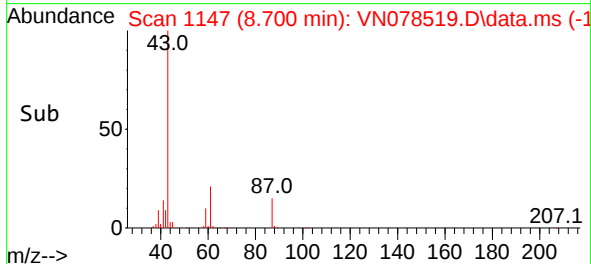
Instrument :
MSVOA_N
ClientSampleId :
WASTE-1



Tgt Ion: 43 Resp: 236820
Ion Ratio Lower Upper
43 100
61 20.2 24.7 37.1
87 14.3 14.6 21.8

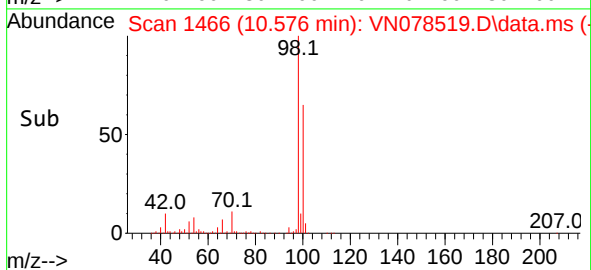
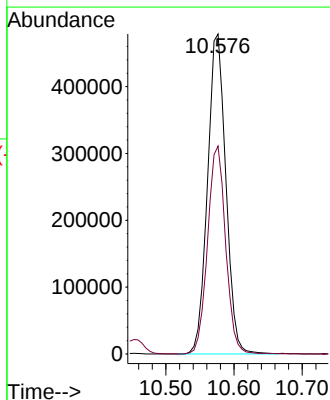
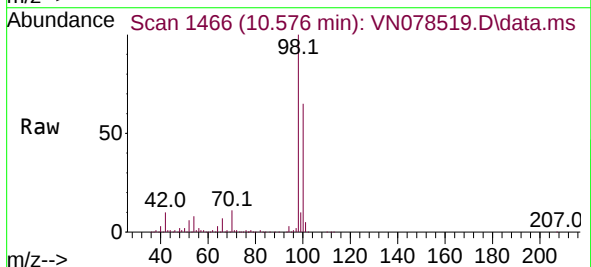
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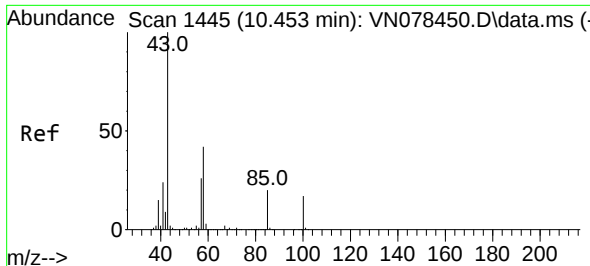
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#50
Toluene-d8
Concen: 46.729 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078519.D
Acq: 14 Jul 2023 13:58

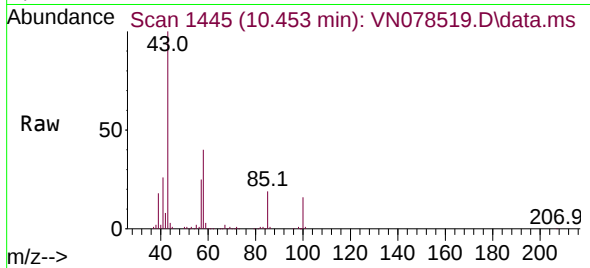
Tgt Ion: 98 Resp: 896587
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 43.973 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078519.D
Acq: 14 Jul 2023 13:58

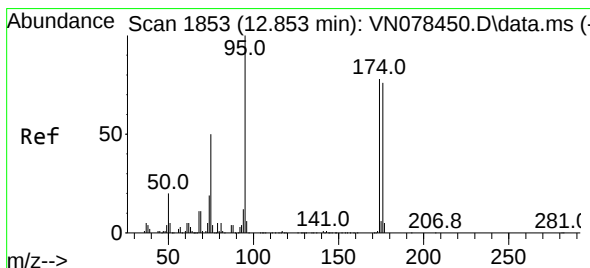
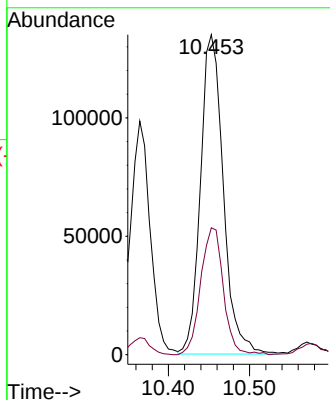
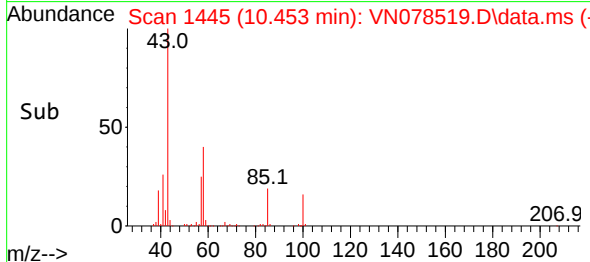
Instrument :
MSVOA_N
ClientSampleId :
WASTE-1



Tgt Ion: 43 Resp: 263258
Ion Ratio Lower Upper
43 100
58 39.5 36.6 54.8

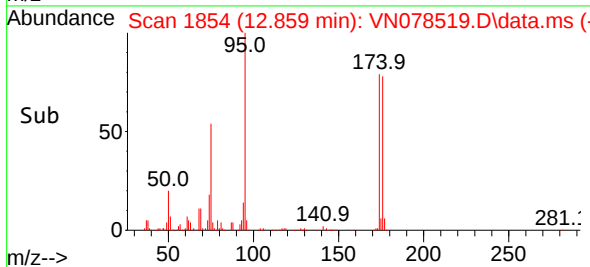
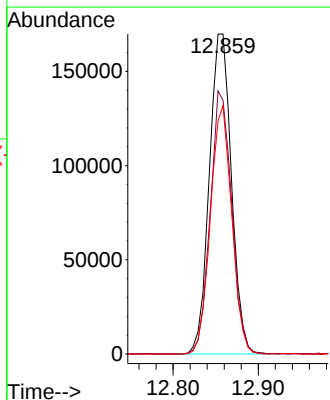
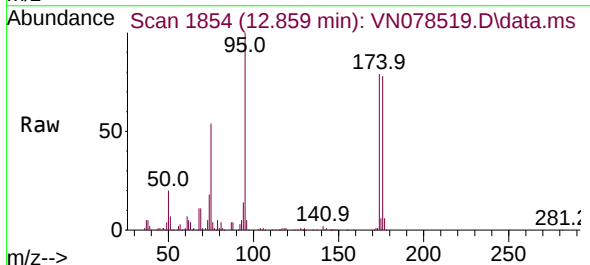
Manual Integrations
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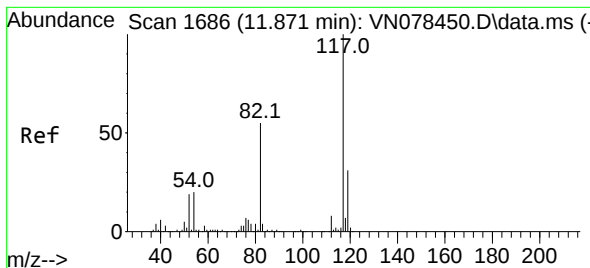
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#62
4-Bromofluorobenzene
Concen: 51.753 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078519.D
Acq: 14 Jul 2023 13:58

Tgt Ion: 95 Resp: 305859
Ion Ratio Lower Upper
95 100
174 80.1 0.0 143.8
176 74.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078519.D

Acq: 14 Jul 2023 13:58

Instrument :

MSVOA_N

ClientSampleId :

WASTE-1

Tgt Ion:117 Resp: 724840

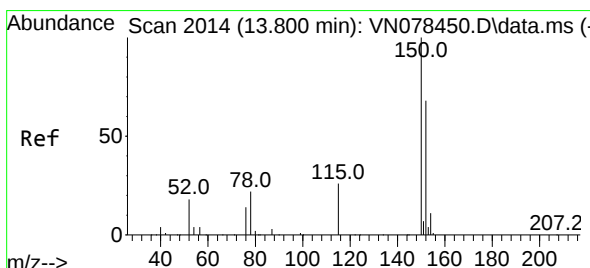
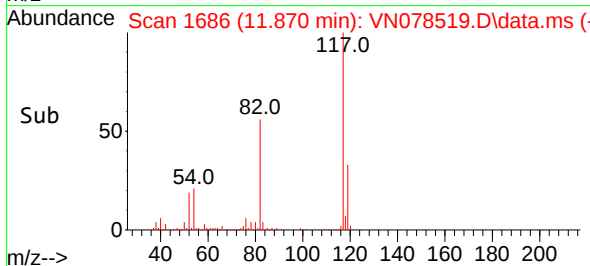
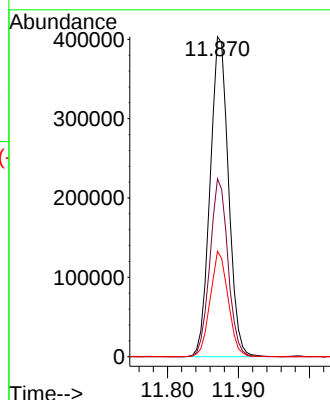
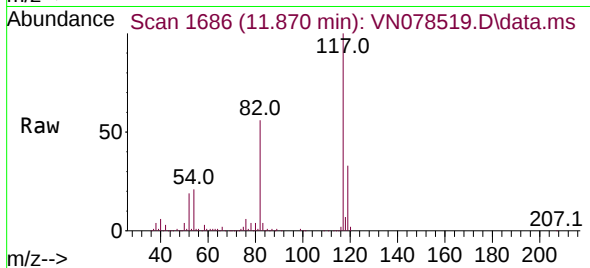
Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.0	66.0
119	33.0	25.6	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078519.D

Acq: 14 Jul 2023 13:58

Tgt Ion:152 Resp: 257533

Ion	Ratio	Lower	Upper
152	100		
115	59.6	32.3	96.8
150	157.2	0.0	355.8

