

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080019.D
 Acq On : 09 Nov 2023 02:41
 Operator : JC\MD
 Sample : 05249-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(NOV)

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/09/2023
 Supervised By :Semsettin Yesilyurt 11/09/2023

Quant Time: Nov 09 04:34:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	68270	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	323761	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	319067	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	172307	30.067	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.233%			
60) 4-Bromofluorobenzene	12.853	95	128957	25.274	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.233%			
63) Toluene-d8	10.571	98	419576	27.753	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 92.500%			
Target Compounds						
						Qvalue
15) Acetone	4.424	58	351567	481.034	ug/l	80
23) tert-Butyl Alcohol	5.524	59	9514m	16.285	ug/l	
25) Chloroform	7.977	83	4880	0.552	ug/l	85
30) 2-Butanone	7.488	43	59649	22.478	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	9180	1.722	ug/l	96
62) Toluene	10.635	91	451794	24.482	ug/l	98
69) Styrene	12.412	104	8697	0.759	ug/l #	87
82) p-Isopropyltoluene	13.735	119	8273	0.645	ug/l	94

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

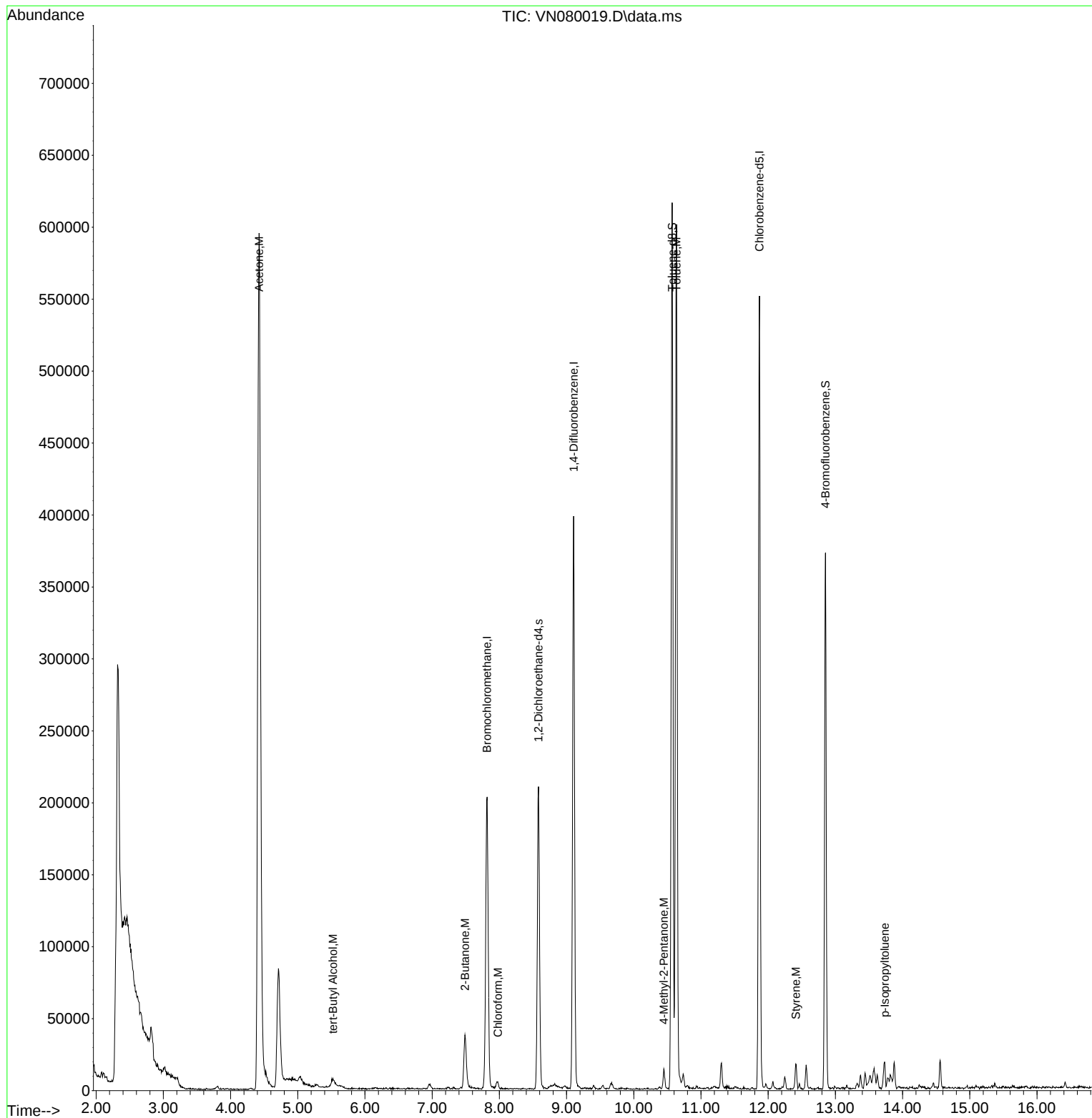
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
Data File : VN080019.D
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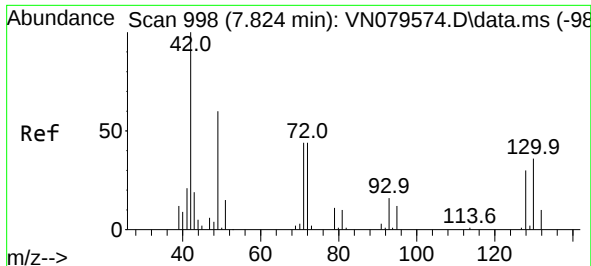
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(NOV)

Quant Time: Nov 09 04:34:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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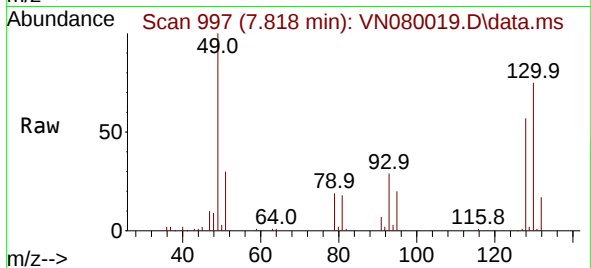
Reviewed By :John Carlone 11/09/2023
Supervised By :Semsettin Yesilyurt 11/09/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

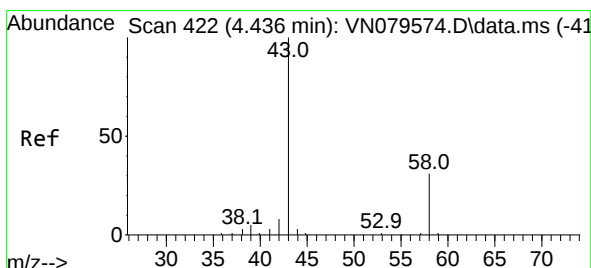
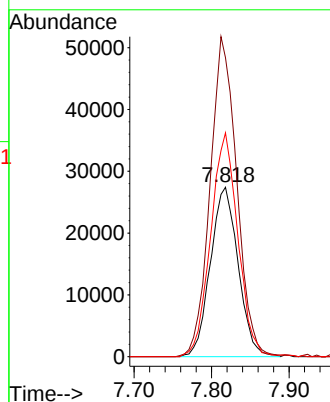
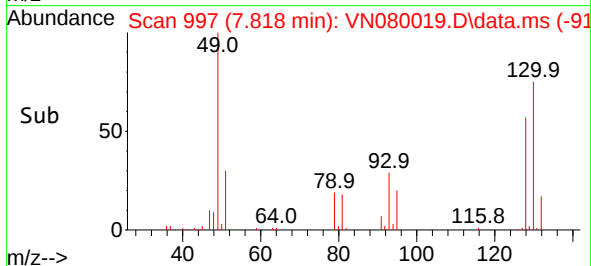
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(NOV)



Tgt Ion:128 Resp: 68270
Ion Ratio Lower Upper
128 100
49 181.4 0.0 468.5
130 129.4 0.0 320.7

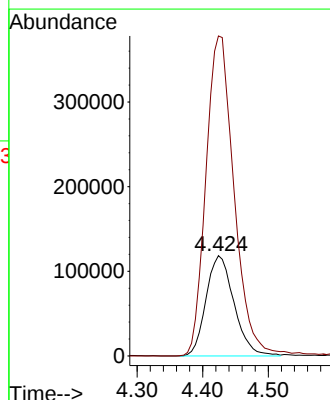
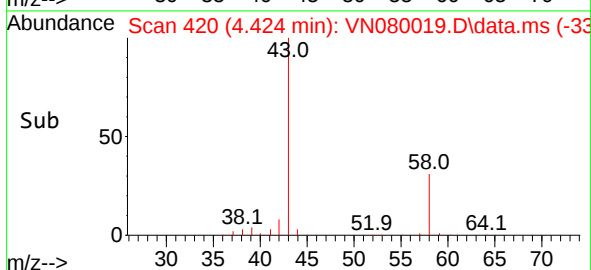
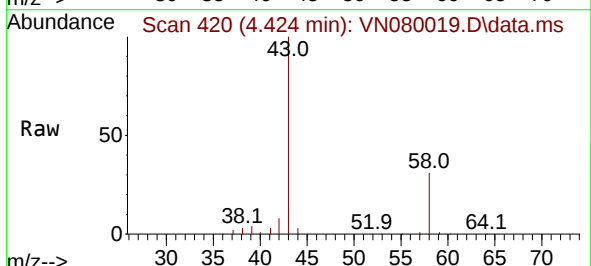
Manual Integrations
APPROVED

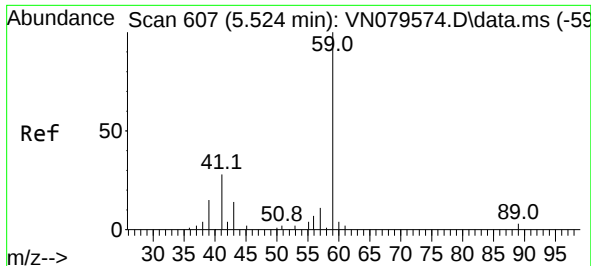
Reviewed By :John Carlone 11/09/2023
Supervised By :Semsettin Yesilyurt 11/09/2023



#15
Acetone
Concen: 481.034 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.012 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

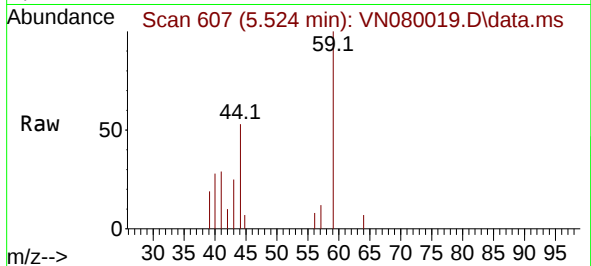
Tgt Ion: 58 Resp: 351567
Ion Ratio Lower Upper
58 100
43 318.7 225.2 337.8





#23
tert-Butyl Alcohol
Concen: 16.285 ug/l m
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

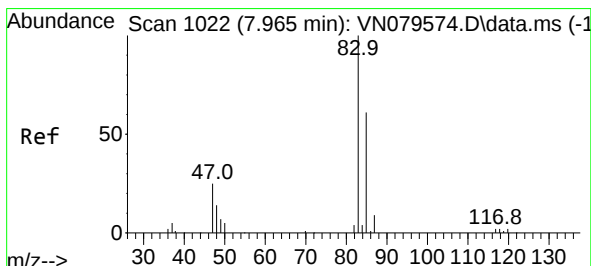
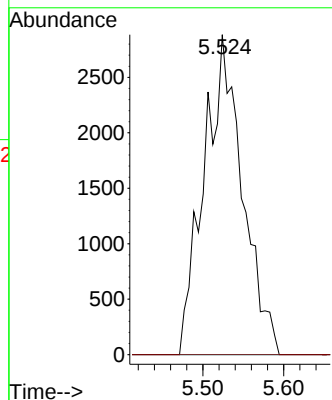
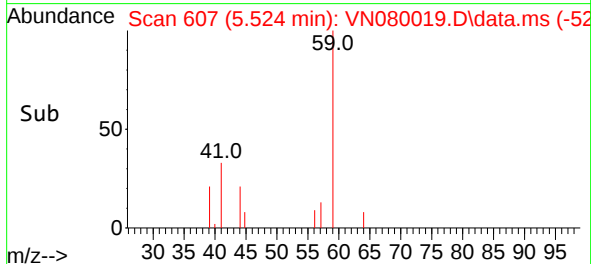
Instrument :
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ClientSampleId :
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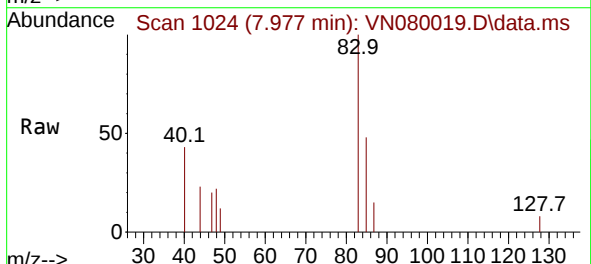
Tgt Ion: 59 Resp: 9514
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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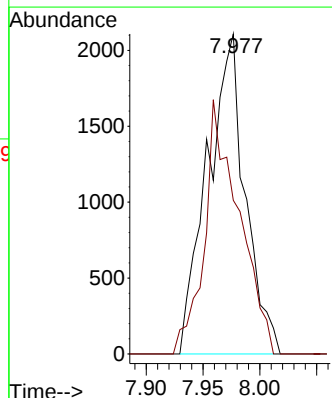
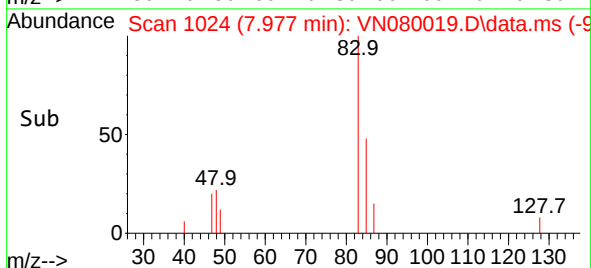
Reviewed By :John Carlone 11/09/2023
Supervised By :Semsettin Yesilyurt 11/09/2023

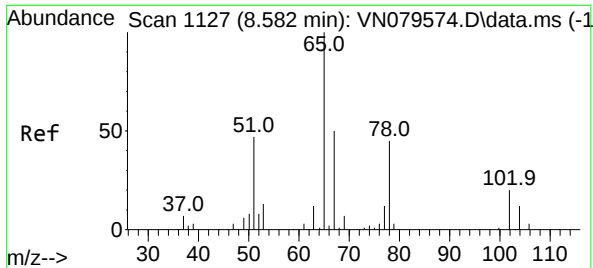


#25
Chloroform
Concen: 0.552 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.012 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41



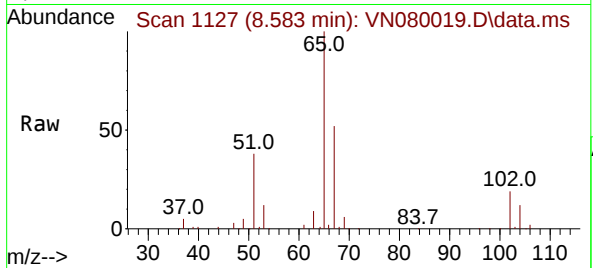
Tgt Ion: 83 Resp: 4880
Ion Ratio Lower Upper
83 100
85 48.0 47.4 71.2





#27
1,2-Dichloroethane-d4
Concen: 30.067 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

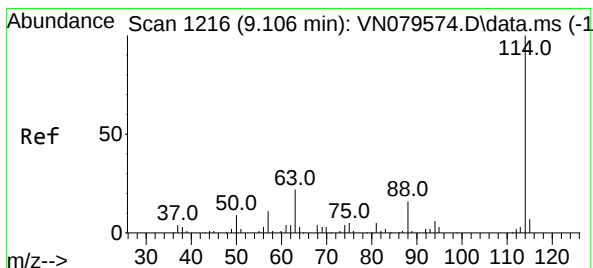
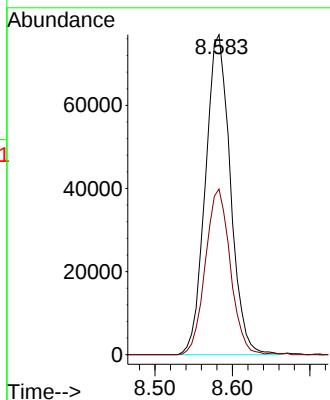
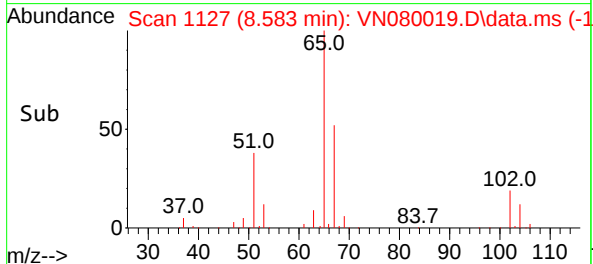
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(NOV)



Tgt Ion: 65 Resp: 17230
Ion Ratio Lower Upper
65 100
67 51.6 42.1 63.1

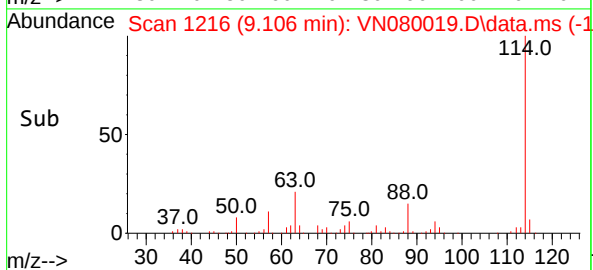
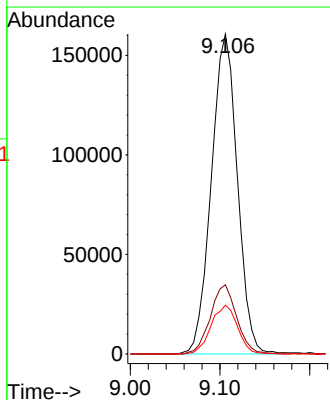
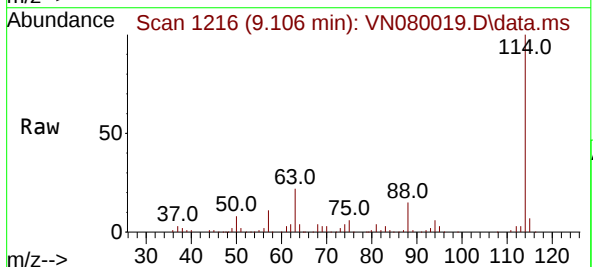
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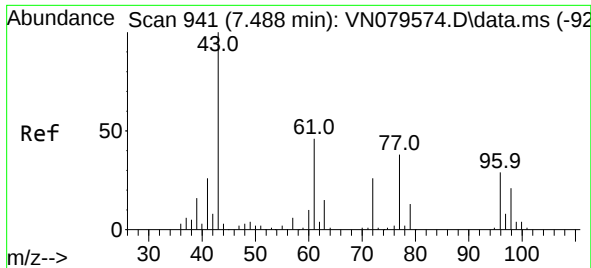
Reviewed By :John Carlone 11/09/2023
Supervised By :Semsettin Yesilyurt 11/09/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

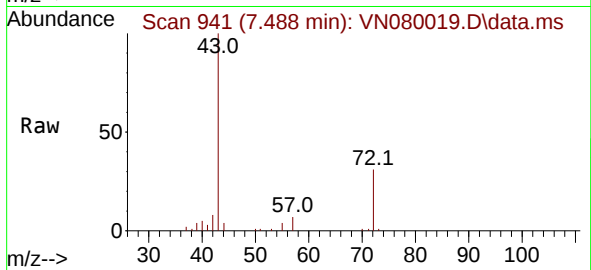
Tgt Ion:114 Resp: 323761
Ion Ratio Lower Upper
114 100
63 21.8 18.1 27.1
88 15.5 12.2 18.2





#30
2-Butanone
Concen: 22.478 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

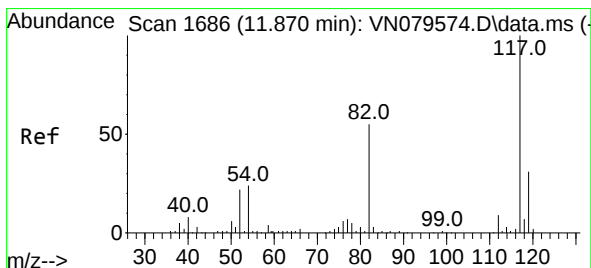
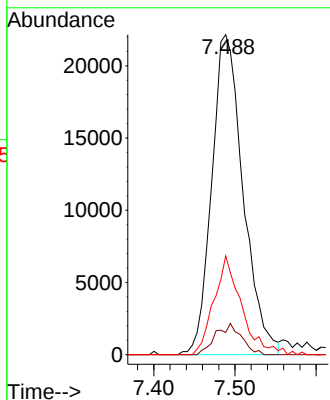
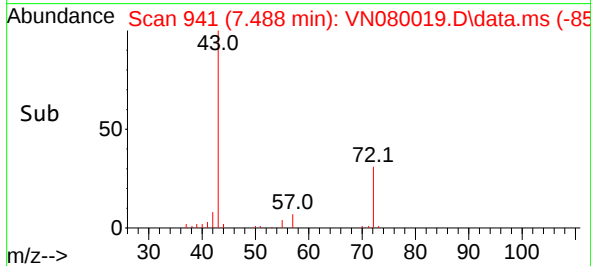
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(NOV)



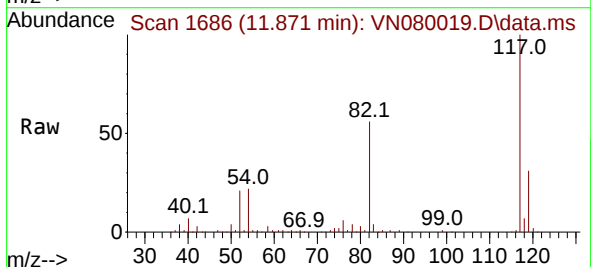
Tgt Ion: 43 Resp: 59649
Ion Ratio Lower Upper
43 100
57 4.2 6.4 9.6
72 24.9 20.7 31.1

Manual Integrations
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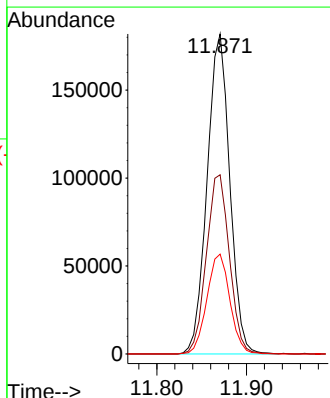
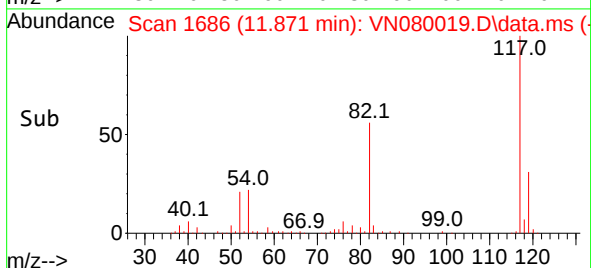
Reviewed By :John Carlone 11/09/2023
Supervised By :Semsettin Yesilyurt 11/09/2023

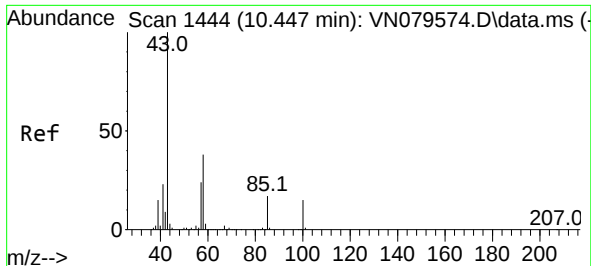


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41



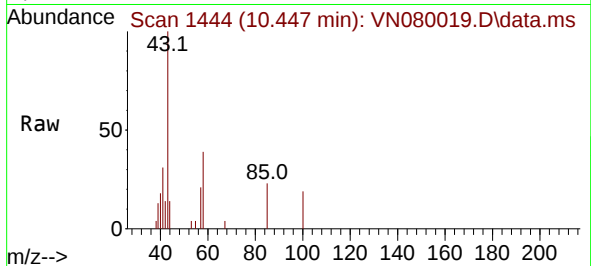
Tgt Ion:117 Resp: 319067
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.2
119 31.7 25.2 37.8





#58
4-Methyl-2-Pentanone
Concen: 1.722 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

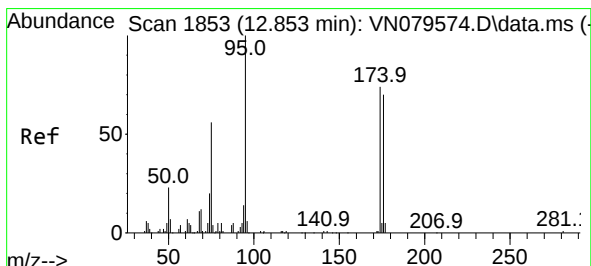
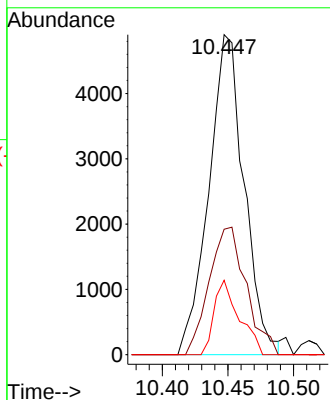
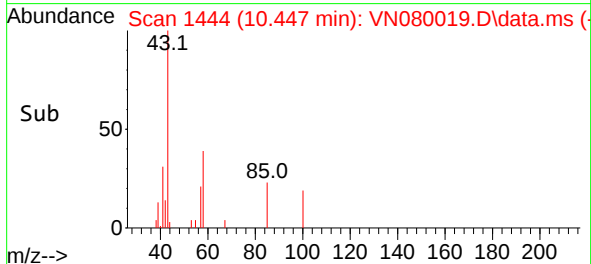
Instrument :
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002-35TH-AVE(NOV)



Tgt Ion: 43 Resp: 9180
Ion Ratio Lower Upper
43 100
58 41.8 30.4 45.6
85 16.5 13.2 19.8

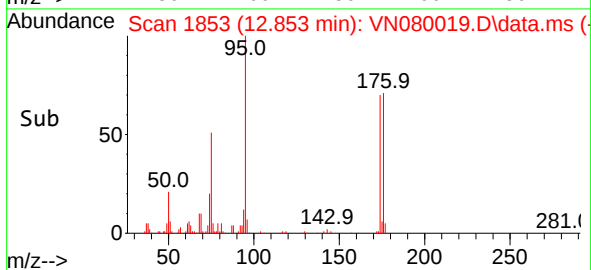
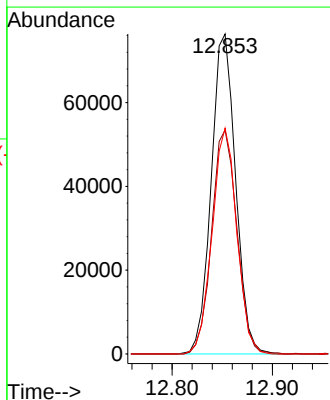
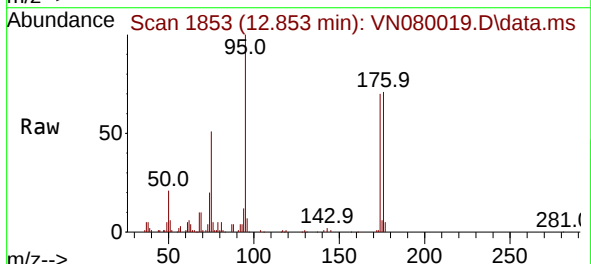
Manual Integrations
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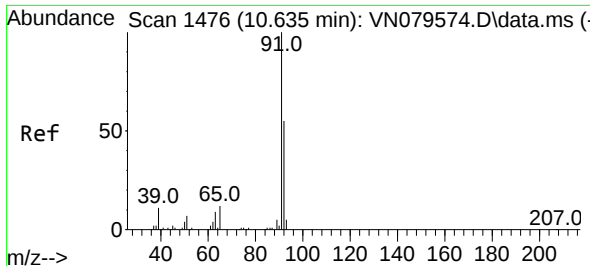
Reviewed By :John Carlone 11/09/2023
Supervised By :Semsettin Yesilyurt 11/09/2023



#60
4-Bromofluorobenzene
Concen: 25.274 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

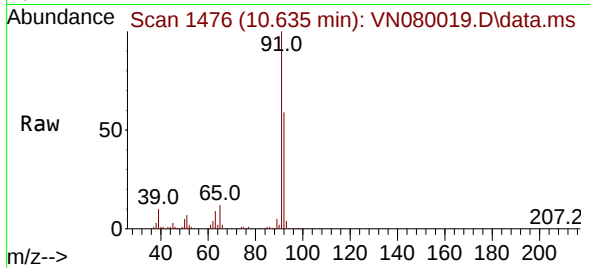
Tgt Ion: 95 Resp: 128957
Ion Ratio Lower Upper
95 100
174 72.4 60.5 90.7
176 71.4 57.2 85.8





#62
Toluene
Concen: 24.482 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41

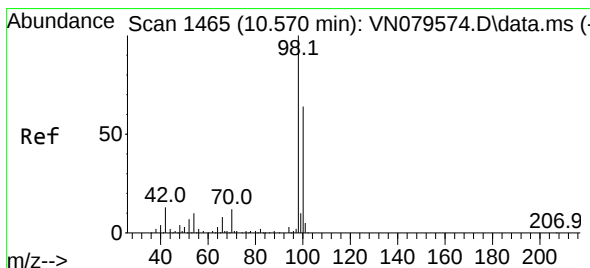
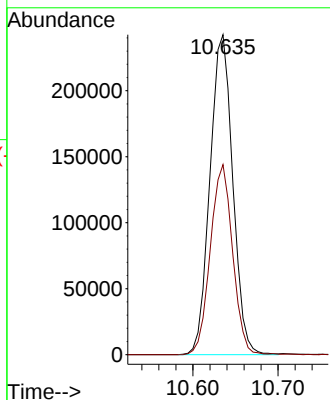
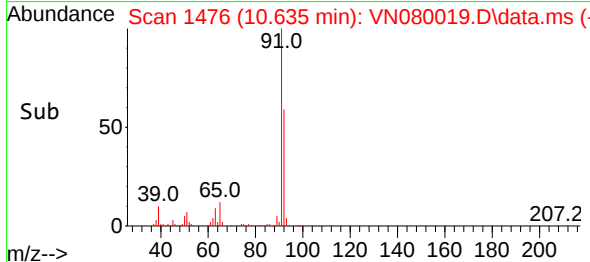
Instrument :
MSVOA_N
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002-35TH-AVE(NOV)



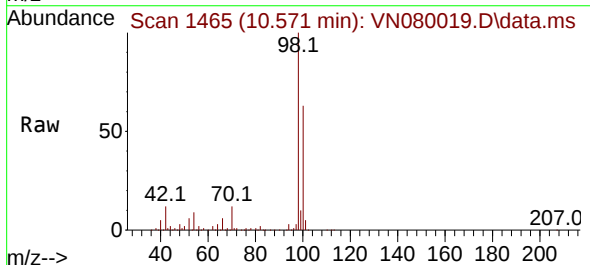
Tgt Ion: 91 Resp: 451794
Ion Ratio Lower Upper
91 100
92 57.9 45.3 67.9

Manual Integrations
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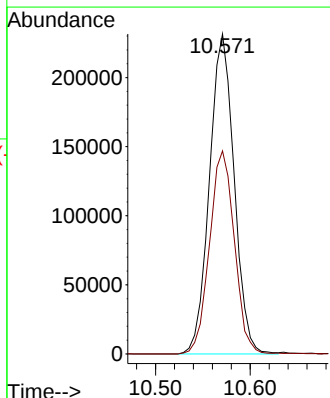
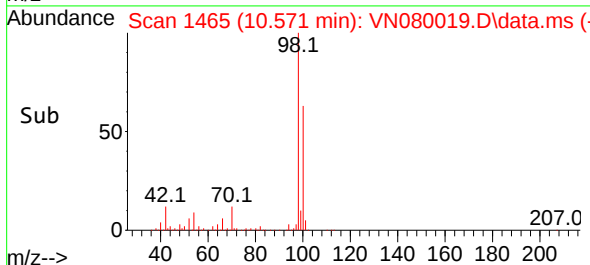
Reviewed By :John Carlone 11/09/2023
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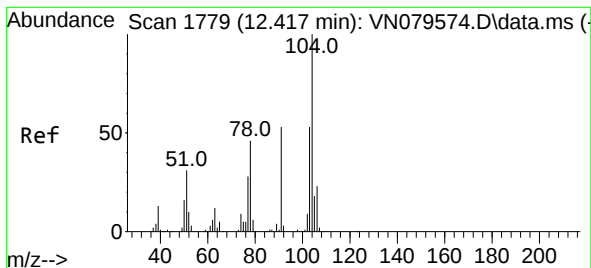


#63
Toluene-d8
Concen: 27.753 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080019.D
Acq: 09 Nov 2023 02:41



Tgt Ion: 98 Resp: 419576
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4





#69

Styrene

Concen: 0.759 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN080019.D

Acq: 09 Nov 2023 02:41

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(NOV)

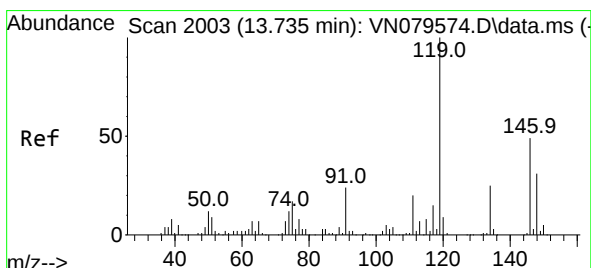
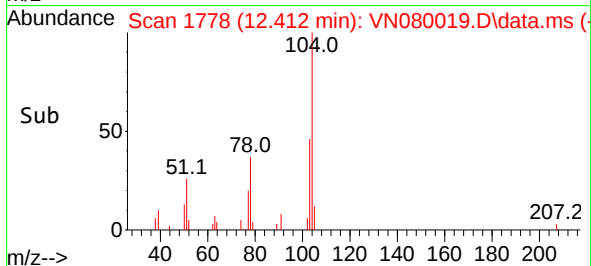
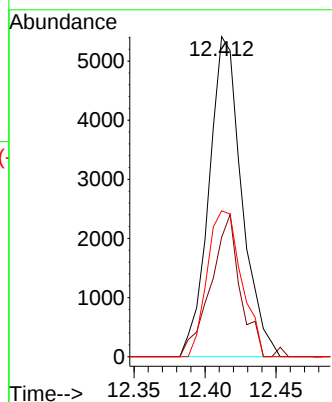
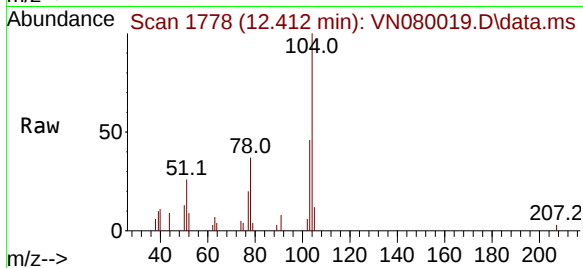
Tgt Ion:104	Resp:	869
Ion Ratio	Lower	Upper
104	100	
78	39.5	41.2 61.8
103	47.5	43.1 64.7

Manual Integrations

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Supervised By :Semsettin Yesilyurt 11/09/2023



#82

p-Isopropyltoluene

Concen: 0.645 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN080019.D

Acq: 09 Nov 2023 02:41

Tgt Ion:119	Resp:	8273
Ion Ratio	Lower	Upper
119	100	
134	27.2	0.0 52.2
91	30.2	0.0 50.0

