

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075062.D
 Acq On : 28 Oct 2022 15:48
 Operator : JC\MD
 Sample : N5315-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 221026039-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 31 01:51:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 10:19:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	12633	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	69640	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	62022	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	37724	32.659	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 108.867%		
60) 4-Bromofluorobenzene	12.847	95	33589	27.563	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 91.867%		
63) Toluene-d8	10.565	98	104493	30.123	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 100.400%		
Target Compounds						Qvalue
8) Diethyl Ether	3.971	74	6401	11.826	ug/l	89
15) Acetone	4.465	58	1109m	7.836	ug/l	
23) tert-Butyl Alcohol	5.547	59	29730	126.788	ug/l #	100
45) 1,4-Dioxane	9.706	88	3120	116.123	ug/l #	37
64) Chlorobenzene	11.894	112	13865	5.572	ug/l	95
67) m/p-Xylenes	12.070	106	1655	0.912	ug/l	88
68) o-Xylene	12.406	106	1364	0.748	ug/l	99
75) 2-Chlorotoluene	13.123	91	1484	0.458	ug/l	94
84) 1,4-Dichlorobenzene	13.812	146	12257	6.072	ug/l	99

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

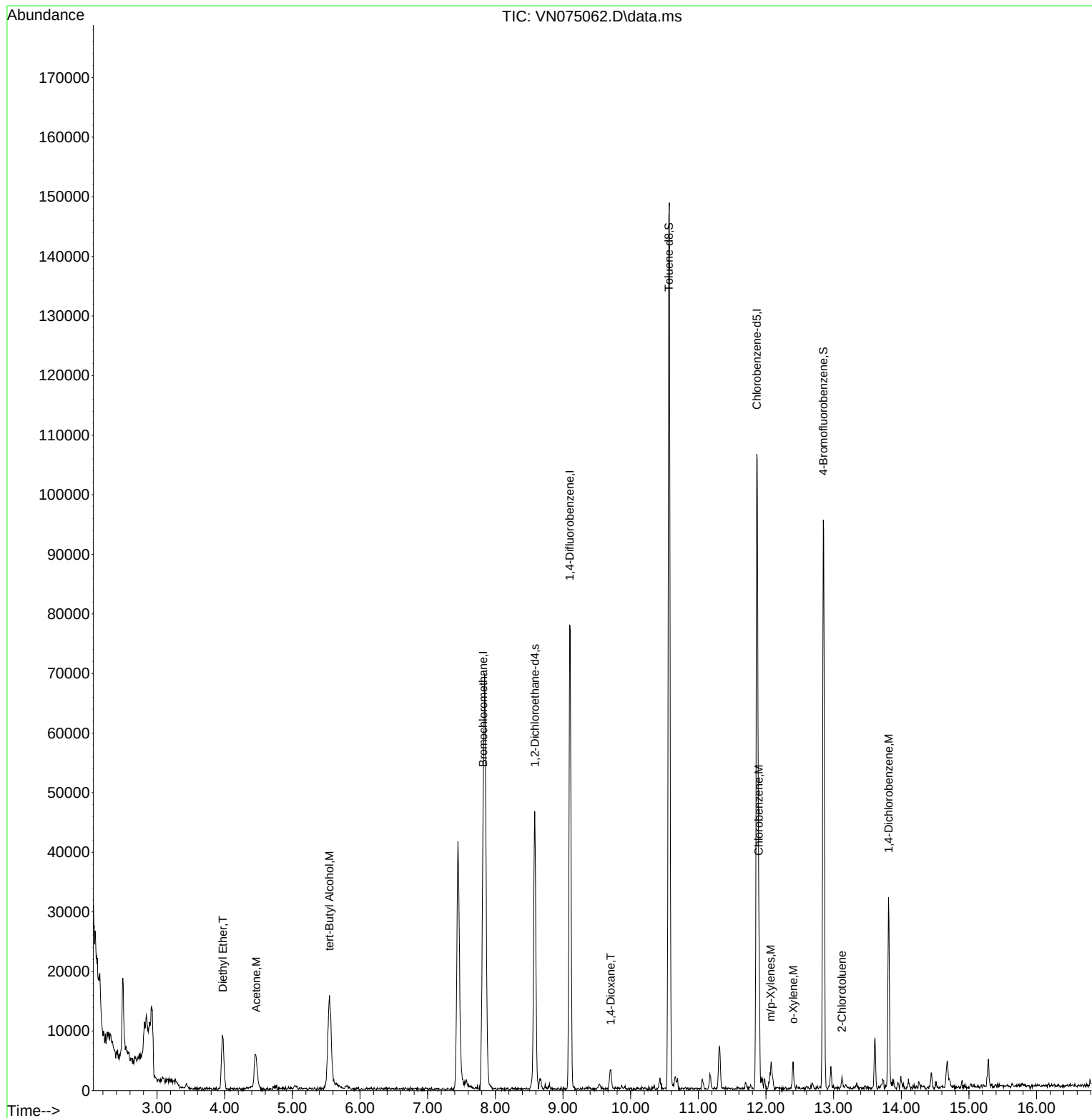
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
Data File : VN075062.D
Acq On : 28 Oct 2022 15:48
Operator : JC\MD
Sample : N5315-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

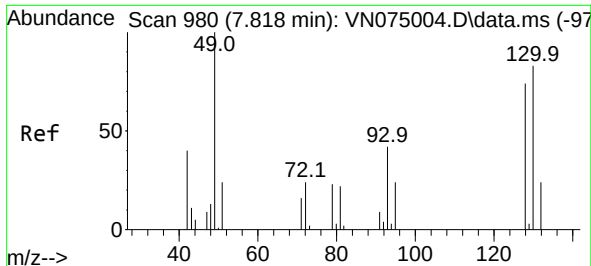
Instrument :
MSVOA_N
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221026039-02-VOA

Manual Integrations
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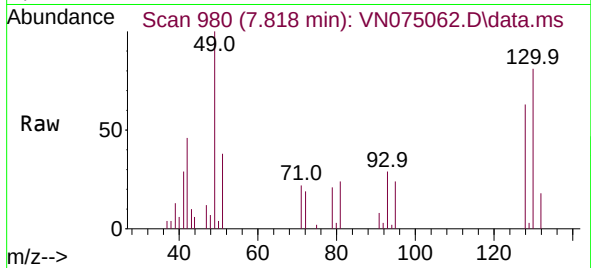
Quant Time: Oct 31 01:51:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 27 10:19:47 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

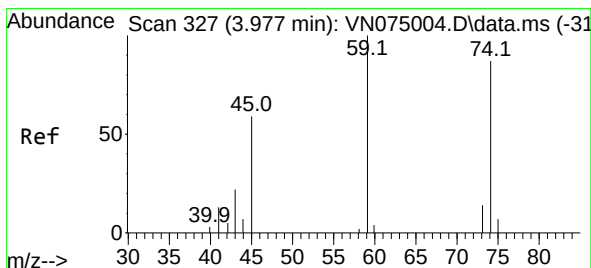
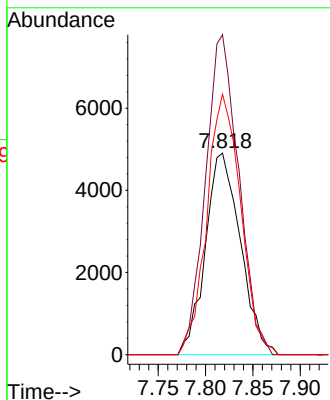
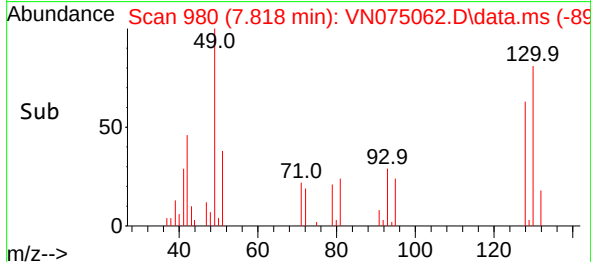
Instrument :
MSVOA_N
ClientSampleId :
221026039-02-VOA



Tgt Ion:128 Resp: 1263
Ion Ratio Lower Upper
128 100
49 150.7 0.0 392.3
130 124.9 0.0 320.2

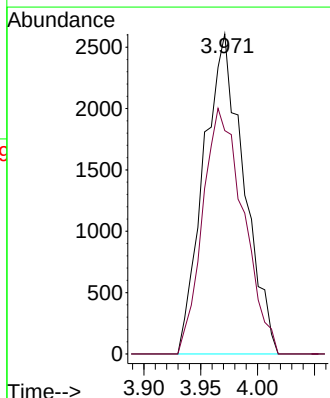
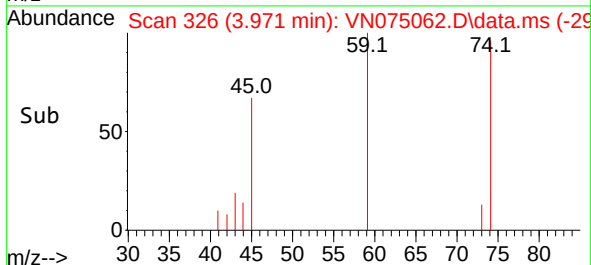
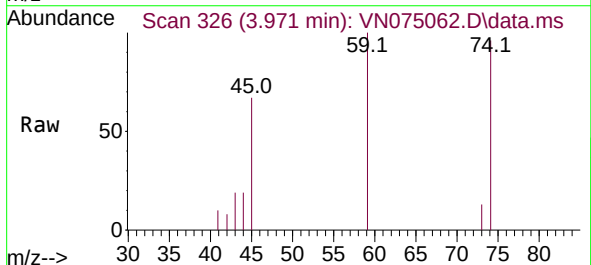
Manual Integrations
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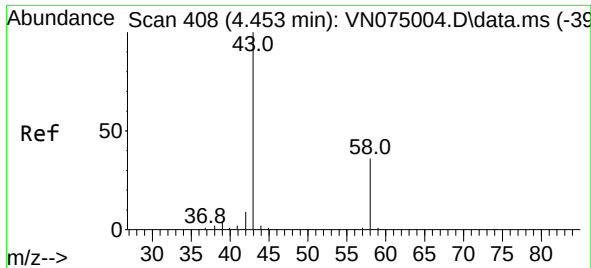
Reviewed By :John Carlone 10/31/2022
Supervised By :Mahesh Dadoda 10/31/2022



#8
Diethyl Ether
Concen: 11.826 ug/l
RT: 3.971 min Scan# 326
Delta R.T. -0.006 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

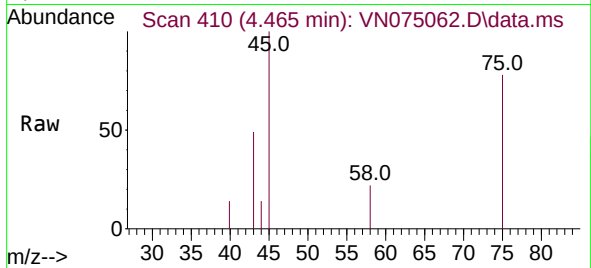
Tgt Ion: 74 Resp: 6401
Ion Ratio Lower Upper
74 100
45 78.1 17.6 158.8





#15
Acetone
Concen: 7.836 ug/l m
RT: 4.465 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

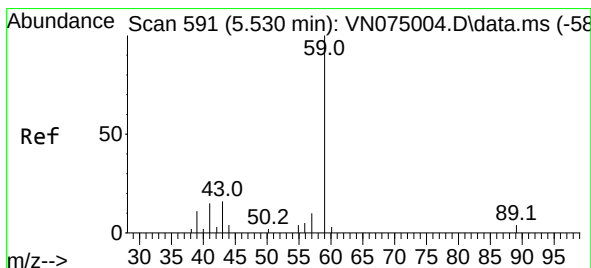
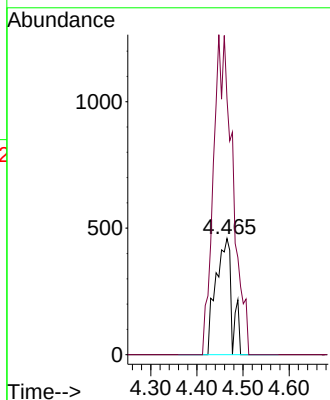
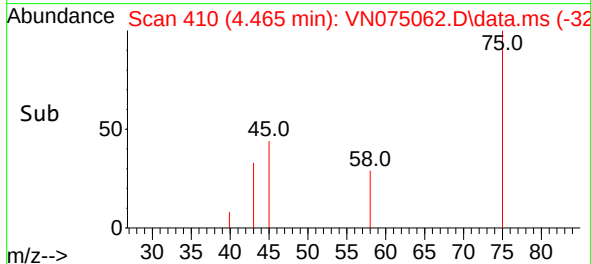
Instrument :
MSVOA_N
ClientSampleId :
221026039-02-VOA



Tgt Ion: 58 Resp: 1109
Ion Ratio Lower Upper
58 100
43 220.3 256.6 384.8

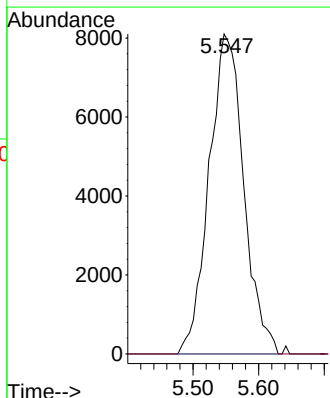
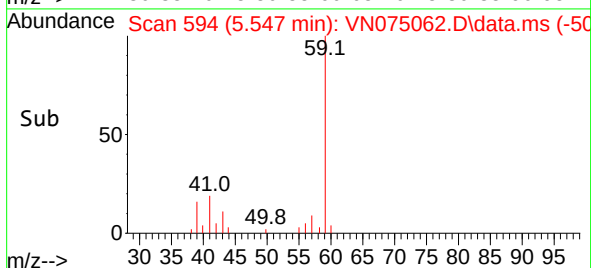
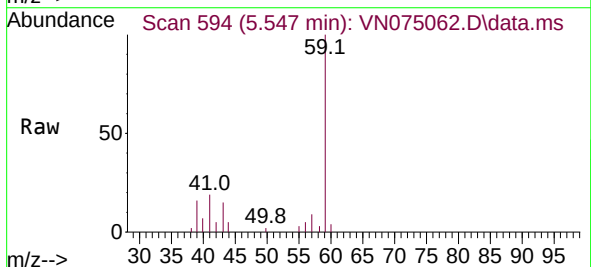
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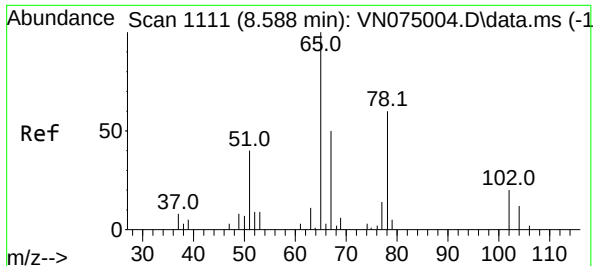
Reviewed By :John Carlone 10/31/2022
Supervised By :Mahesh Dadoda 10/31/2022



#23
tert-Butyl Alcohol
Concen: 126.788 ug/l
RT: 5.547 min Scan# 594
Delta R.T. 0.018 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

Tgt Ion: 59 Resp: 29730
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 32.659 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075062.D

Acq: 28 Oct 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

221026039-02-VOA

Tgt Ion: 65 Resp: 37724

Ion Ratio Lower Upper

65 100

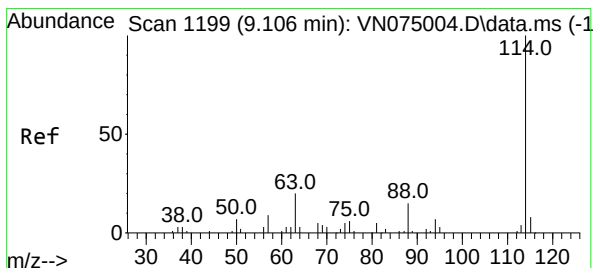
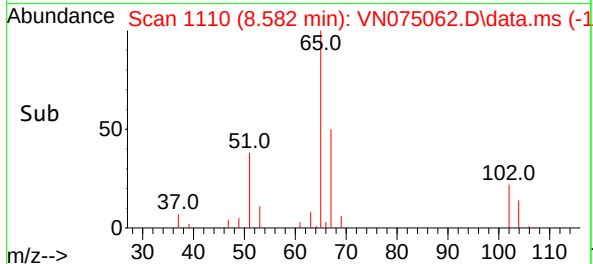
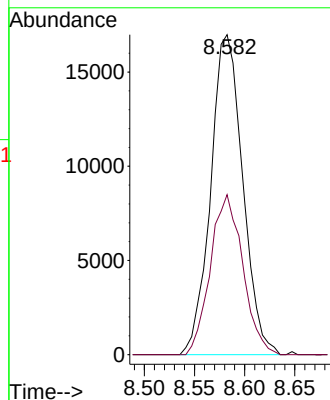
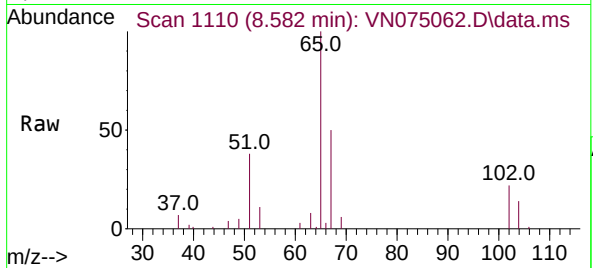
67 50.5 40.2 60.2

Manual Integrations

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Supervised By :Mahesh Dadoda 10/31/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN075062.D

Acq: 28 Oct 2022 15:48

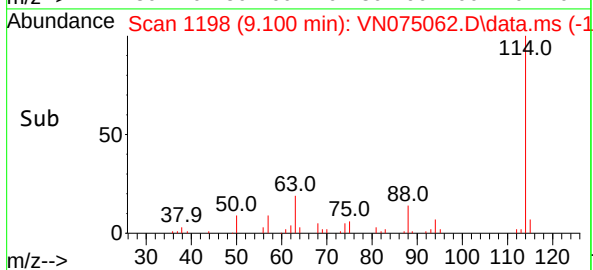
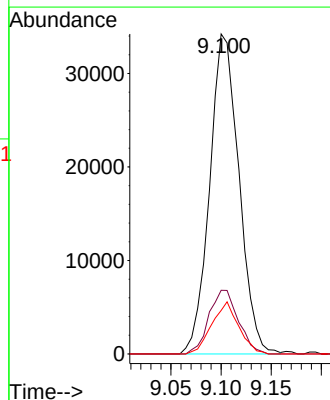
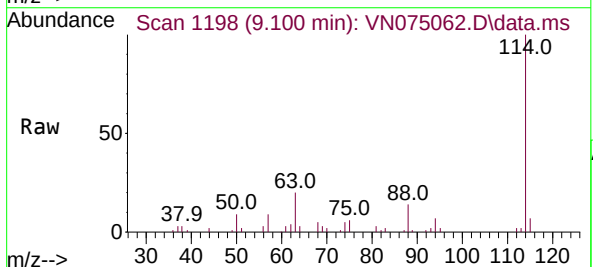
Tgt Ion:114 Resp: 69640

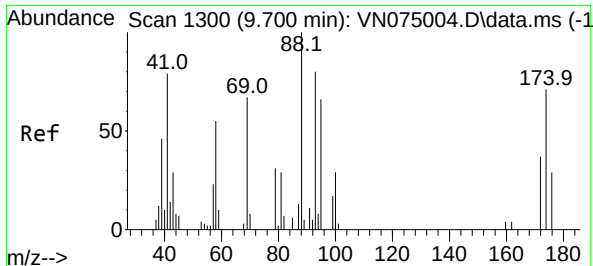
Ion Ratio Lower Upper

114 100

63 20.0 15.8 23.6

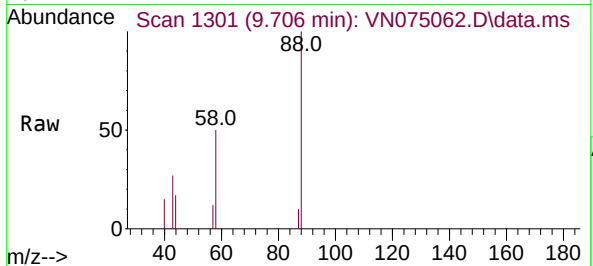
88 15.0 11.6 17.4





#45
1,4-Dioxane
Concen: 116.123 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

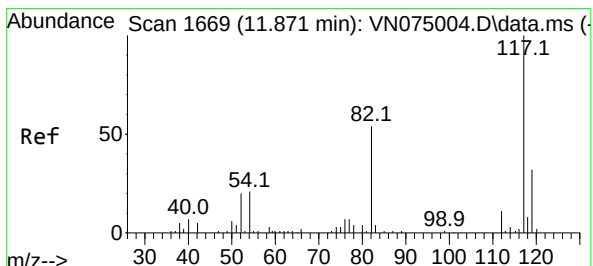
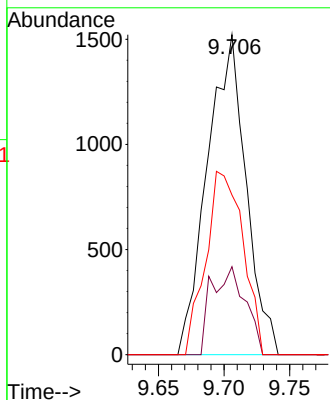
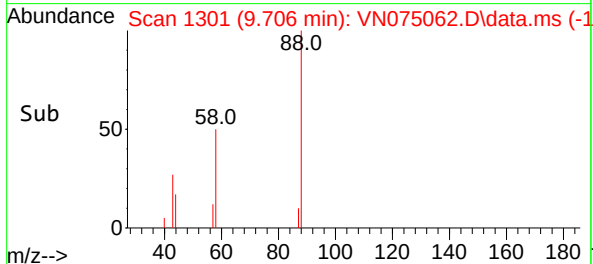
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221026039-02-VOA



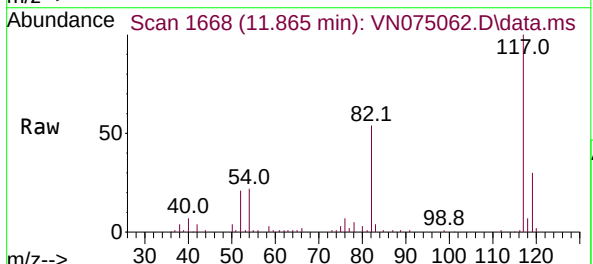
Tgt Ion: 88 Resp: 3120
Ion Ratio Lower Upper
88 100
43 16.3 25.0 37.6
58 0.0 49.4 74.2

Manual Integrations
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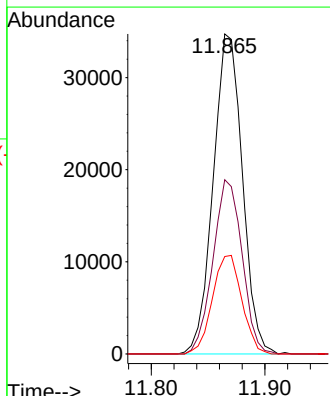
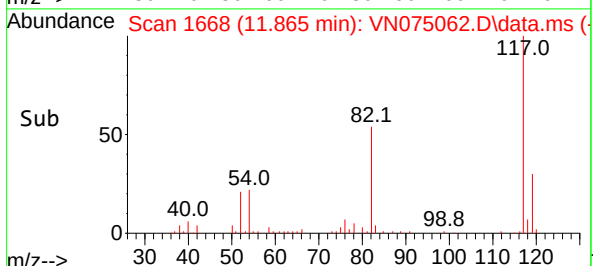
Reviewed By :John Carlone 10/31/2022
Supervised By :Mahesh Dadoda 10/31/2022

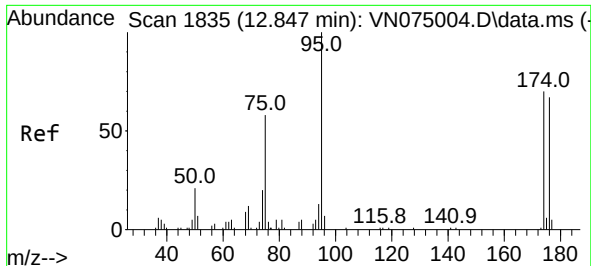


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48



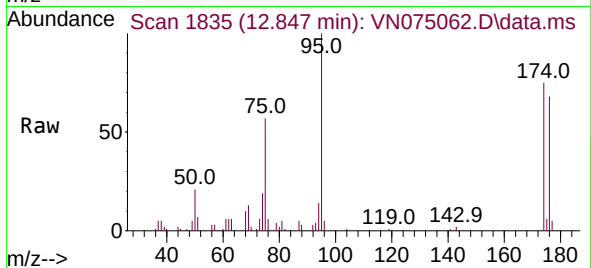
Tgt Ion:117 Resp: 62022
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 31.1 25.8 38.6





#60
4-Bromofluorobenzene
Concen: 27.563 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

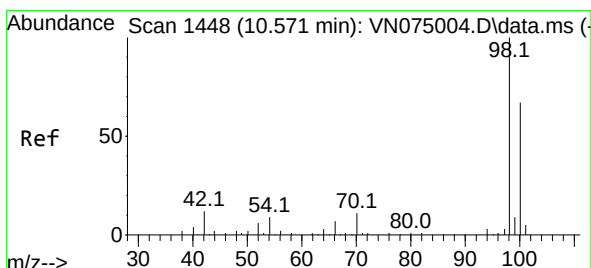
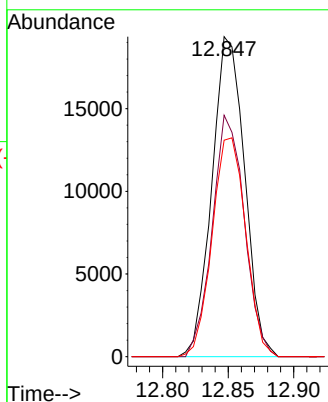
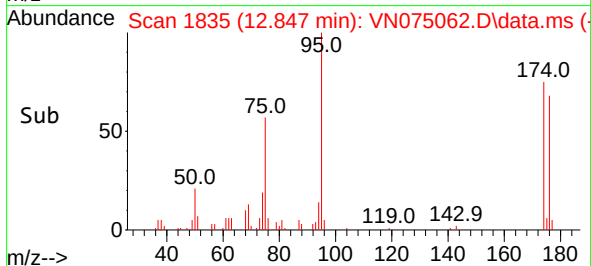
Instrument :
MSVOA_N
ClientSampleId :
221026039-02-VOA



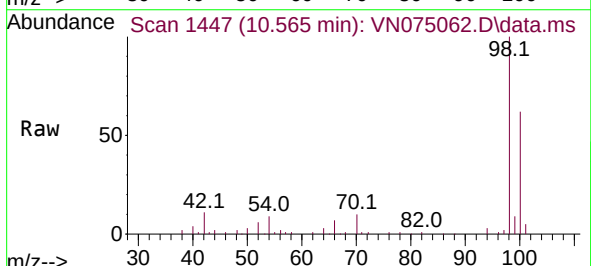
Tgt Ion: 95 Resp: 33589
Ion Ratio Lower Upper
95 100
174 73.7 62.9 94.3
176 70.2 61.0 91.4

Manual Integrations
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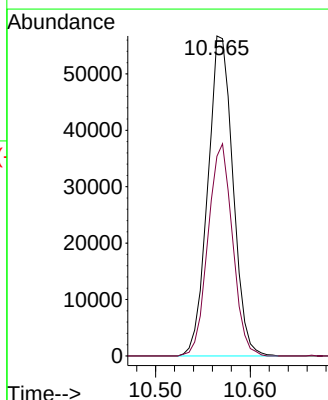
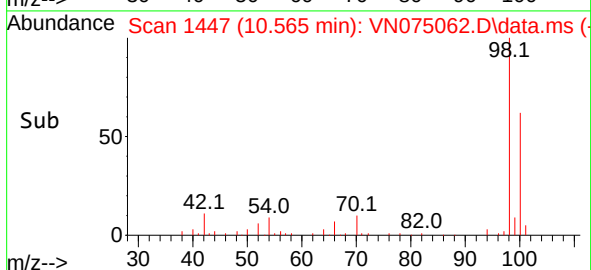
Reviewed By :John Carlone 10/31/2022
Supervised By :Mahesh Dadoda 10/31/2022

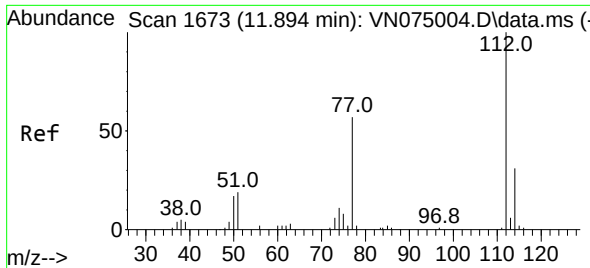


#63
Toluene-d8
Concen: 30.123 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48



Tgt Ion: 98 Resp: 104493
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0





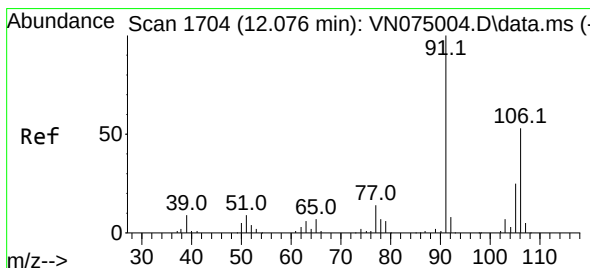
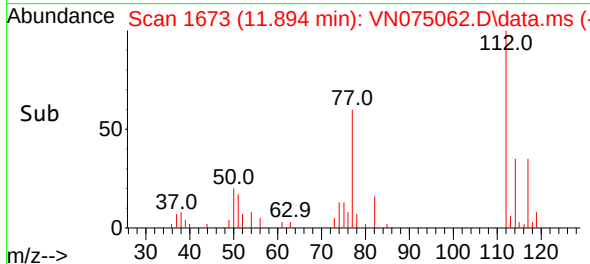
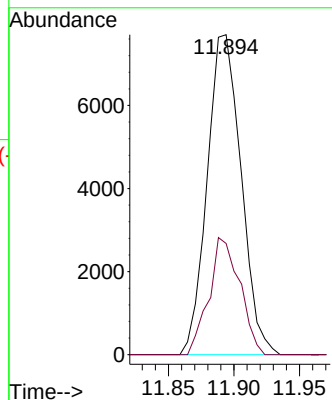
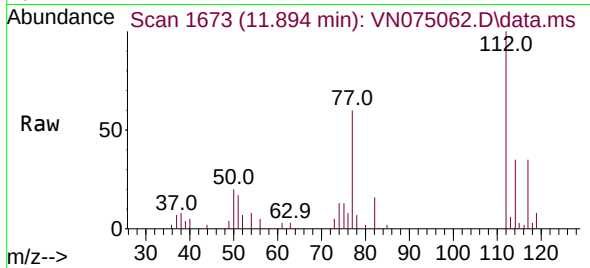
#64
Chlorobenzene
Concen: 5.572 ug/l
RT: 11.894 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :
221026039-02-VOA

Tgt Ion:112 Resp: 1386
Ion Ratio Lower Upper
112 100
114 34.7 25.8 38.6

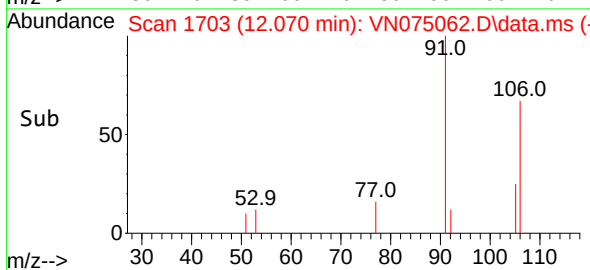
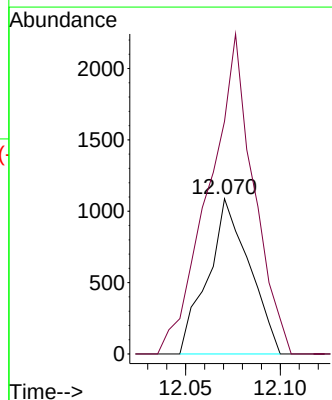
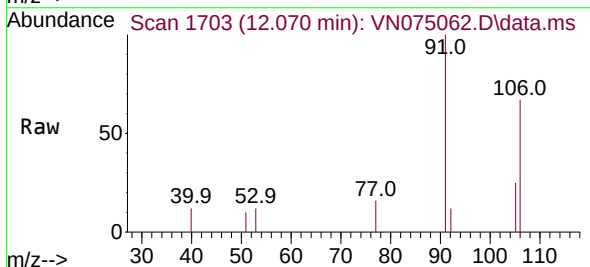
Manual Integrations
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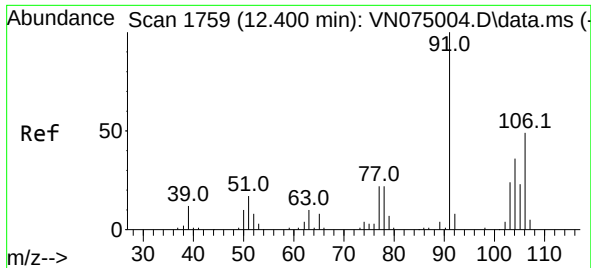
Reviewed By :John Carlone 10/31/2022
Supervised By :Mahesh Dadoda 10/31/2022



#67
m/p-Xylenes
Concen: 0.912 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

Tgt Ion:106 Resp: 1655
Ion Ratio Lower Upper
106 100
91 222.3 162.9 244.3





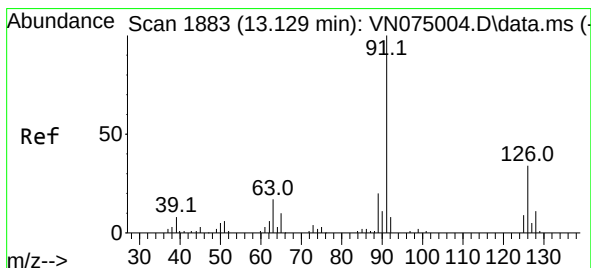
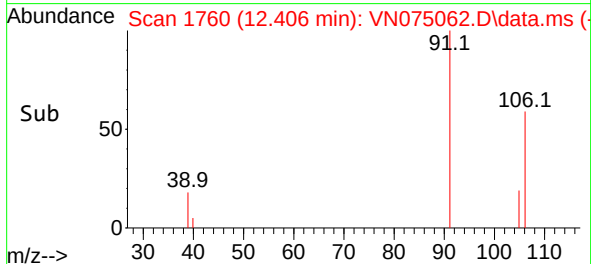
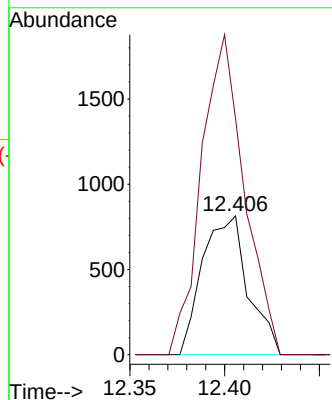
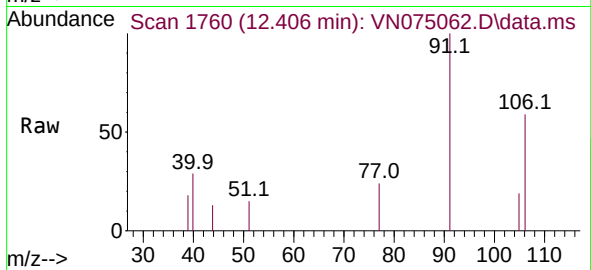
#68
o-Xylene
Concen: 0.748 ug/l
RT: 12.406 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :
221026039-02-VOA

Tgt Ion:106 Resp: 1364
Ion Ratio Lower Upper
106 100
91 216.9 107.7 323.1

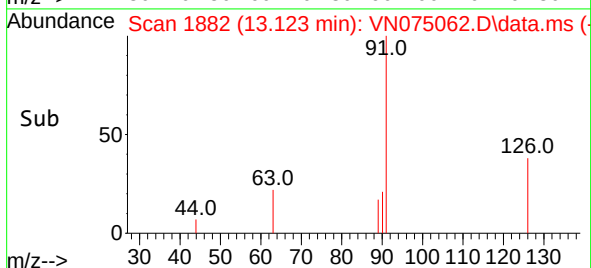
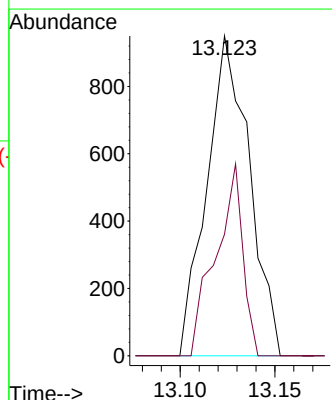
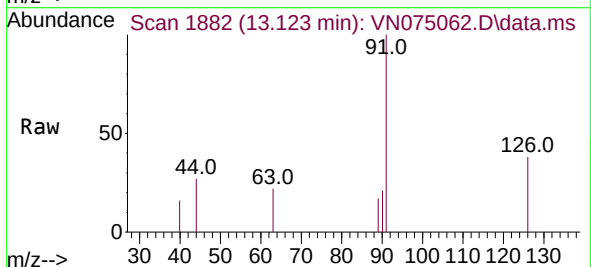
Manual Integrations
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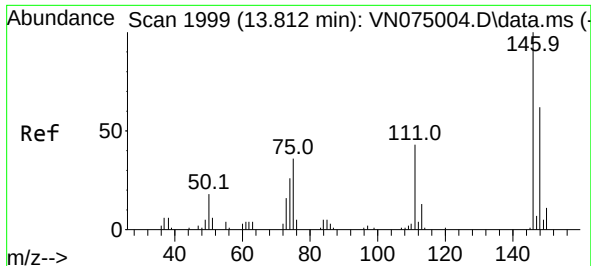
Reviewed By :John Carlone 10/31/2022
Supervised By :Mahesh Dadoda 10/31/2022



#75
2-Chlorotoluene
Concen: 0.458 ug/l
RT: 13.123 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VN075062.D
Acq: 28 Oct 2022 15:48

Tgt Ion: 91 Resp: 1484
Ion Ratio Lower Upper
91 100
126 38.3 0.0 69.8





#84

1,4-Dichlorobenzene

Concen: 6.072 ug/l

RT: 13.812 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VN075062.D

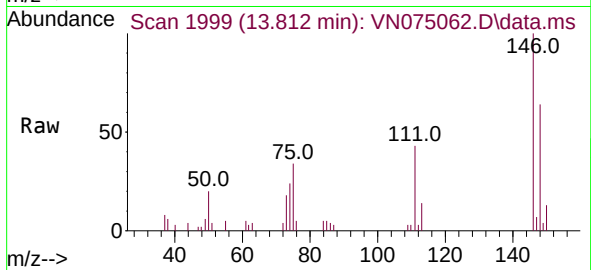
Acq: 28 Oct 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

221026039-02-VOA



Tgt Ion:	146	Resp:	1225
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.5	58.5
148	63.8	31.1	93.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2022

Supervised By :Mahesh Dadoda 10/31/2022

