

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041630.D
 Acq On : 23 May 2024 15:45
 Operator : JC/MD
 Sample : P2567-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240520080-11

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
 Supervised By :Semsettin Yesilyurt 05/24/2024

Quant Time: May 24 06:44:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	24949m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	138719	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	121996	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	58790	29.923	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.733%	
60) 4-Bromofluorobenzene	11.079	95	55834	29.318	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.733%	
63) Toluene-d8	8.647	98	158186	30.249	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.833%	
Target Compounds						
						Qvalue
12) Methyl Acetate	2.709	43	2851	1.483	ug/l	93
15) Acetone	2.392	58	25909	114.408	ug/l	99
25) Chloroform	5.093	83	3892	1.368	ug/l	96
30) 2-Butanone	4.587	43	12588	10.335	ug/l #	96
62) Toluene	8.720	91	25081	4.132	ug/l	98
91) Naphthalene	13.774	128	8499	1.174	ug/l	97

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

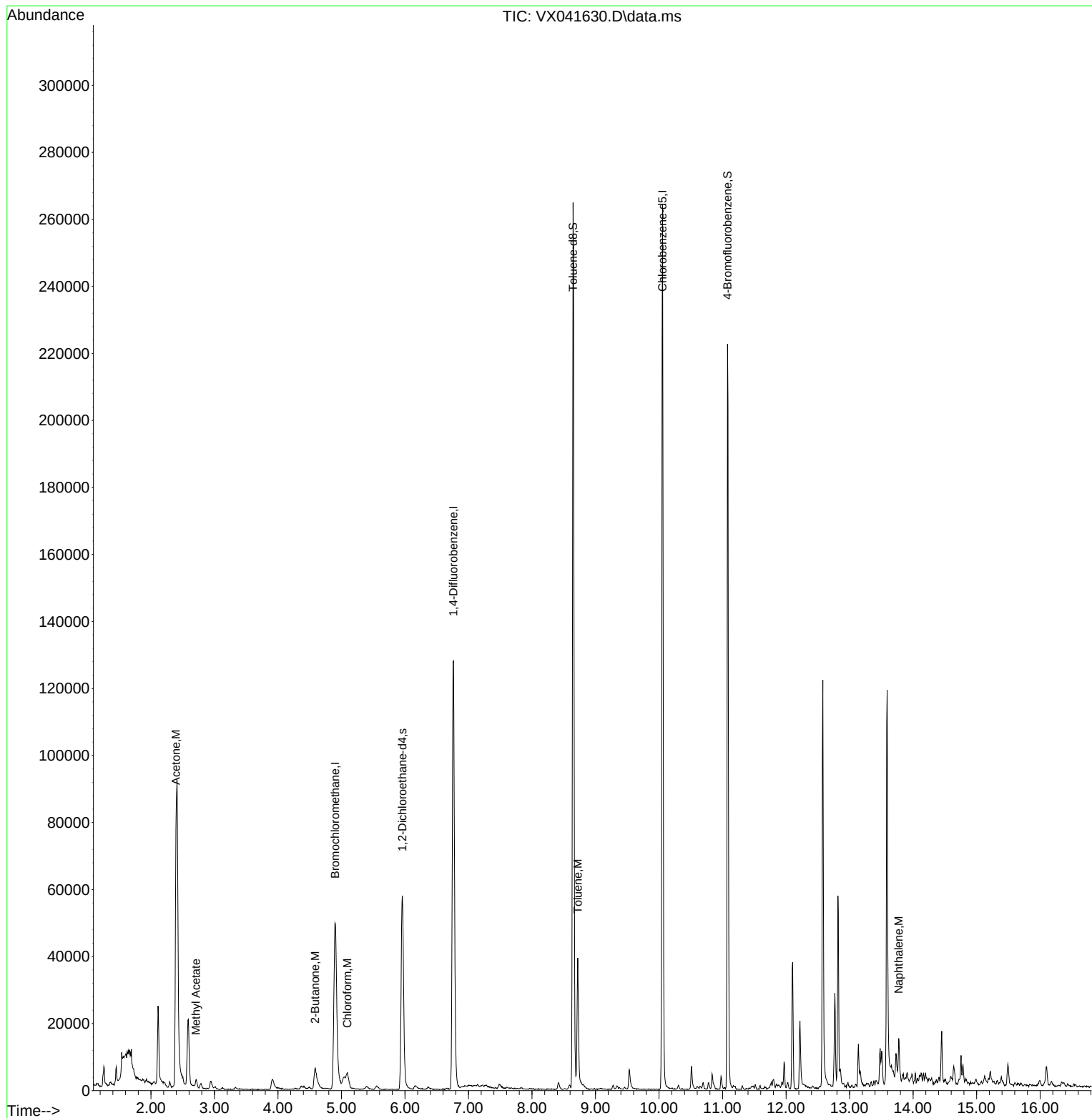
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
Data File : VX041630.D
Acq On : 23 May 2024 15:45
Operator : JC/MD
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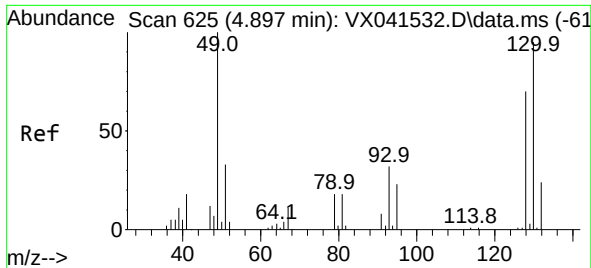
Instrument :
MSVOA_X
ClientSampleId :
240520080-11

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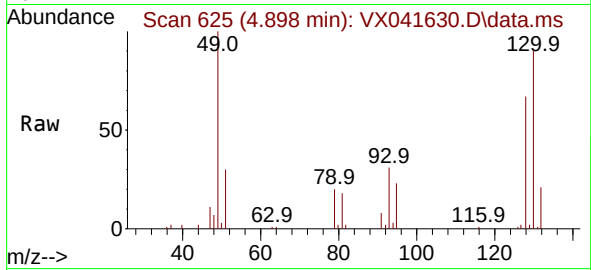
Quant Time: May 24 06:44:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX041630.D
Acq: 23 May 2024 15:45

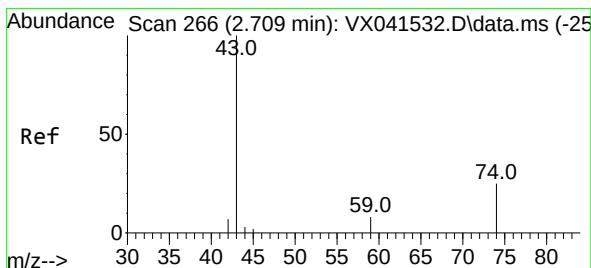
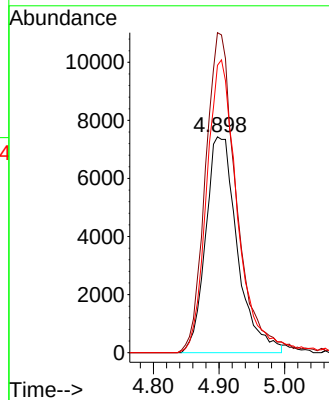
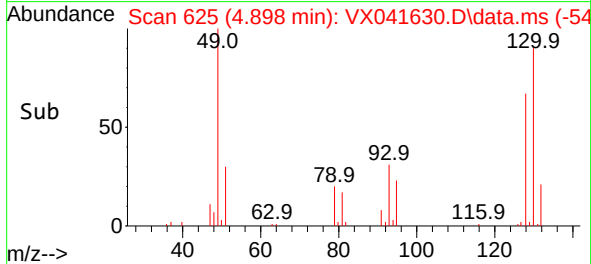
Instrument :
MSVOA_X
ClientSampleId :
240520080-11



Tgt Ion:128 Resp: 24949
Ion Ratio Lower Upper
128 100
49 144.6 0.0 361.5
130 131.5 0.0 324.3

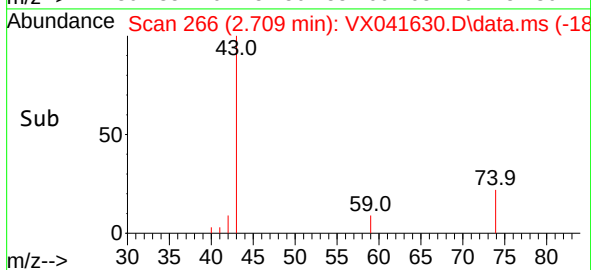
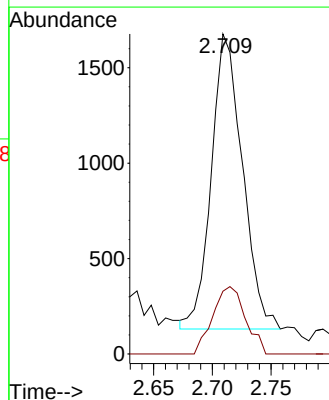
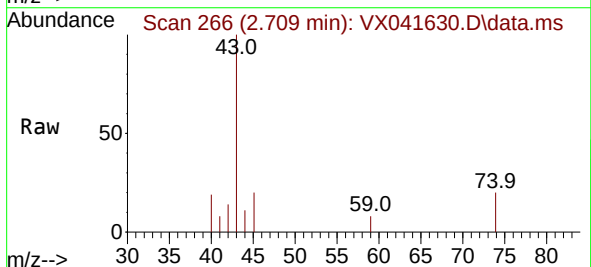
Manual Integrations
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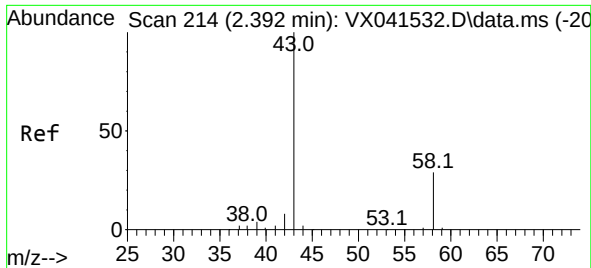
Reviewed By :Mahesh Dadoda 05/24/2024
Supervised By :Semsettin Yesilyurt 05/24/2024



#12
Methyl Acetate
Concen: 1.483 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041630.D
Acq: 23 May 2024 15:45

Tgt Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
74 21.6 19.9 29.9





#15

Acetone

Concen: 114.408 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX041630.D

Acq: 23 May 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

240520080-11

Tgt Ion: 58 Resp: 25909

Ion Ratio Lower Upper

58 100

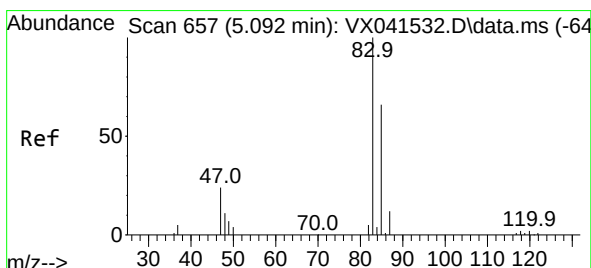
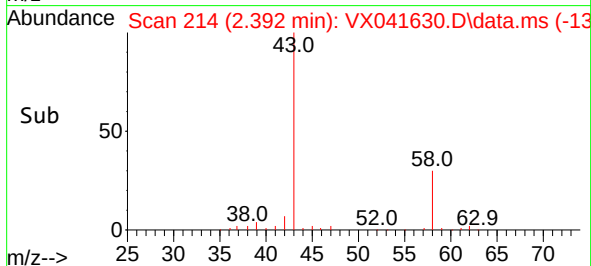
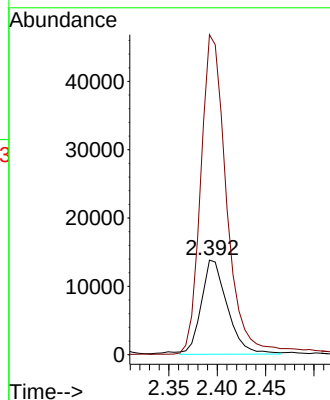
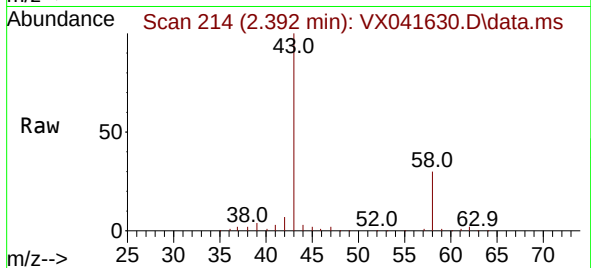
43 343.7 274.0 411.0

Manual Integrations

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#25

Chloroform

Concen: 1.368 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX041630.D

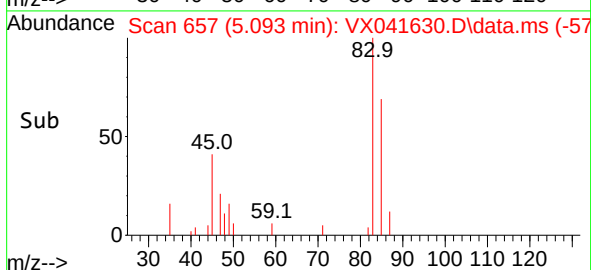
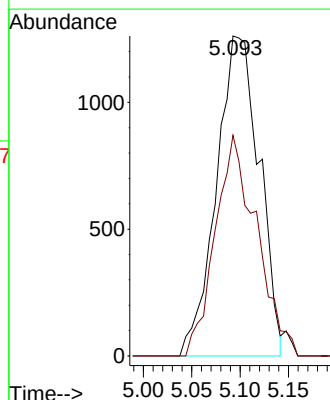
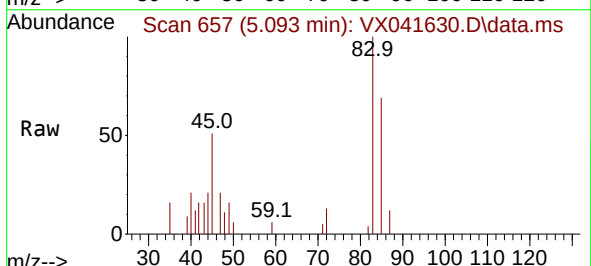
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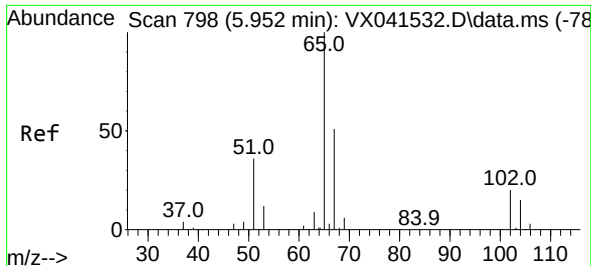
Tgt Ion: 83 Resp: 3892

Ion Ratio Lower Upper

83 100

85 68.9 52.9 79.3





#27

1,2-Dichloroethane-d4

Concen: 29.923 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041630.D

Acq: 23 May 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

240520080-11

Tgt Ion: 65 Resp: 58790

Ion Ratio Lower Upper

65 100

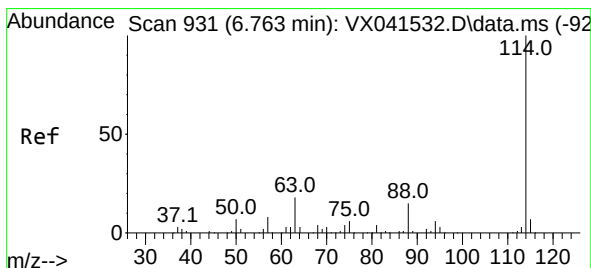
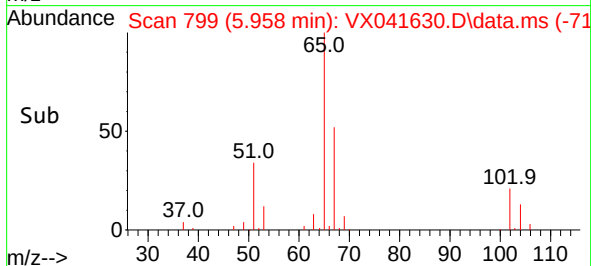
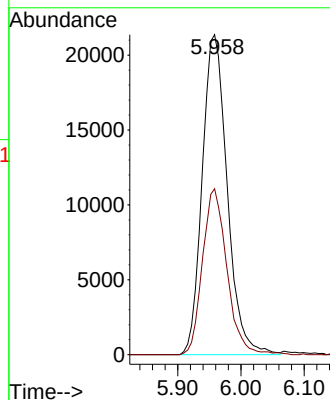
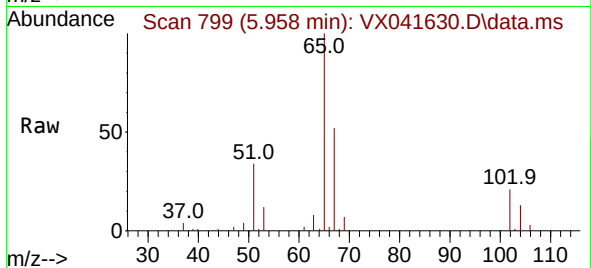
67 50.1 40.8 61.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 05/24/2024



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041630.D

Acq: 23 May 2024 15:45

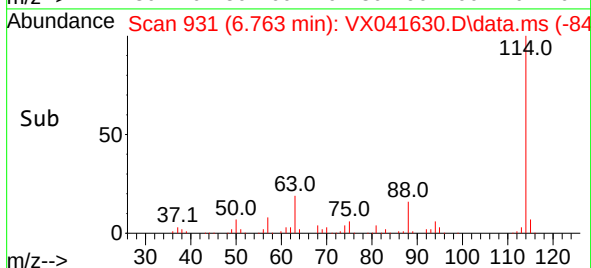
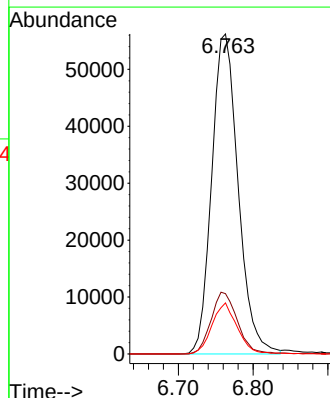
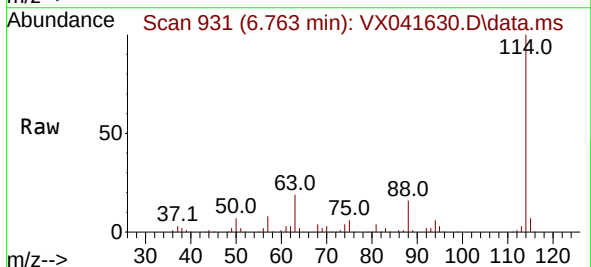
Tgt Ion:114 Resp: 138719

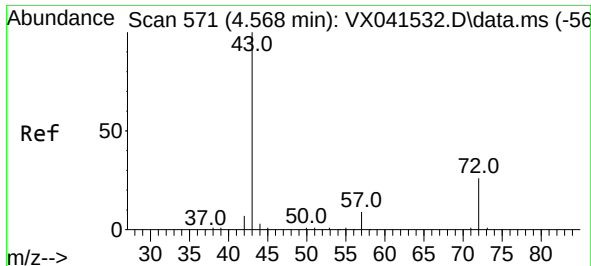
Ion Ratio Lower Upper

114 100

63 19.1 15.4 23.0

88 15.1 12.2 18.2





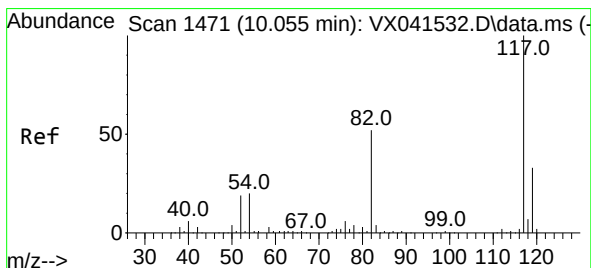
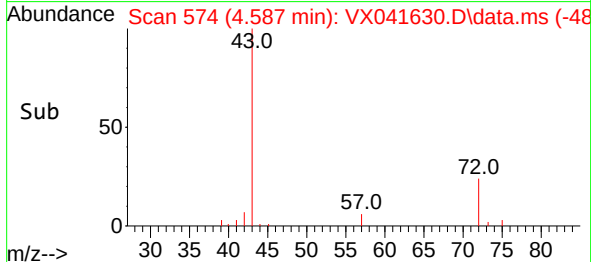
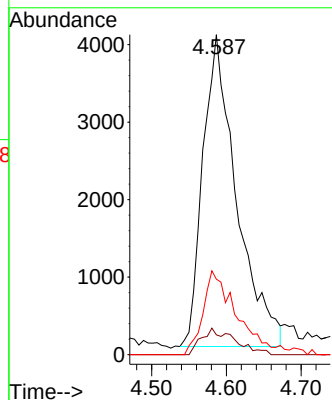
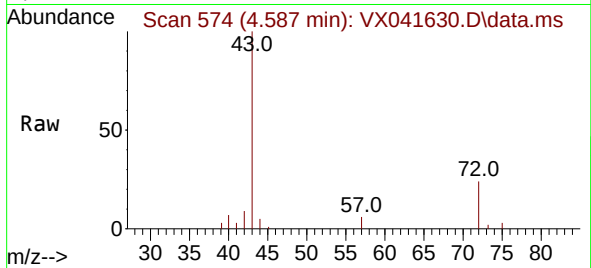
#30
2-Butanone
Concen: 10.335 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX041630.D
Acq: 23 May 2024 15:45

Instrument :
MSVOA_X
ClientSampleId :
240520080-11

Tgt Ion: 43 Resp: 1258
Ion Ratio Lower Upper
43 100
57 4.6 6.6 10.0
72 26.6 20.7 31.1

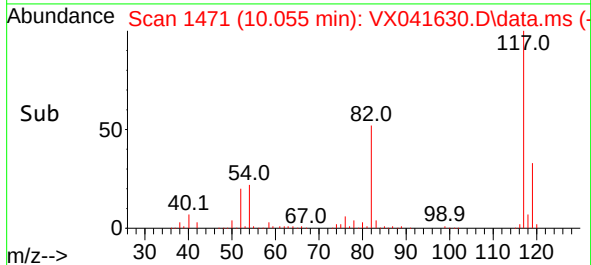
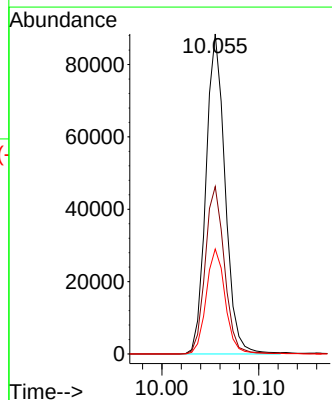
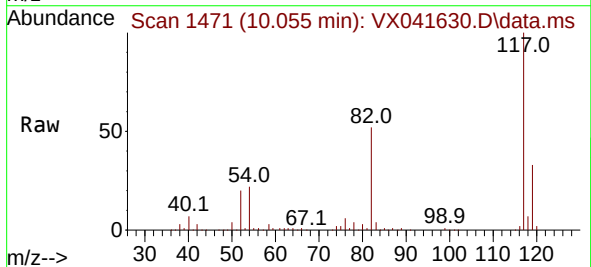
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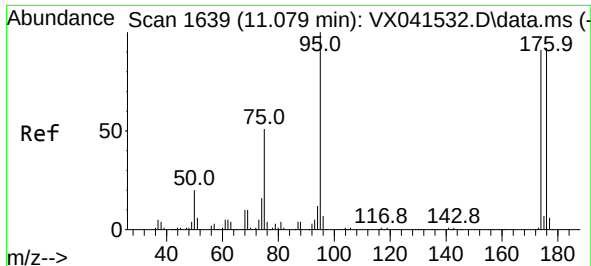
Reviewed By :Mahesh Dadoda 05/24/2024
Supervised By :Semsettin Yesilyurt 05/24/2024



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041630.D
Acq: 23 May 2024 15:45

Tgt Ion:117 Resp: 121996
Ion Ratio Lower Upper
117 100
82 52.5 41.7 62.5
119 32.6 25.7 38.5





#60
4-Bromofluorobenzene
Concen: 29.318 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041630.D
Acq: 23 May 2024 15:45

Instrument :

MSVOA_X

ClientSampleId :

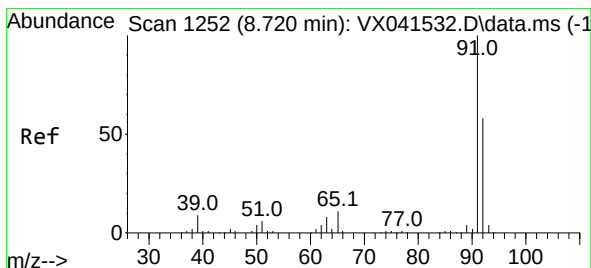
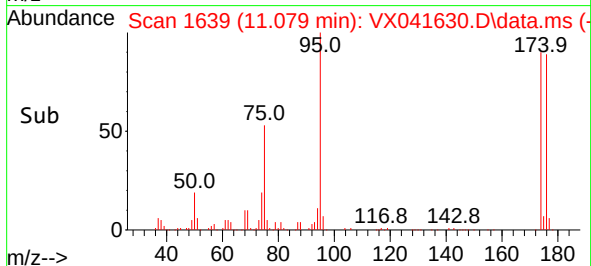
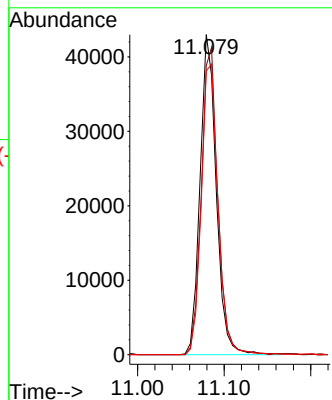
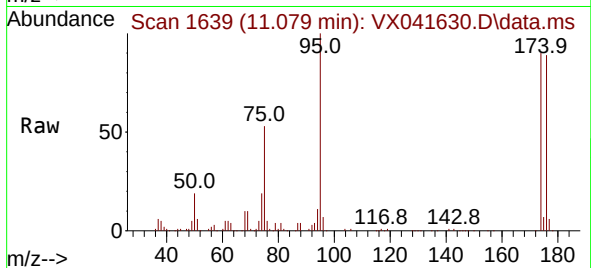
240520080-11

Tgt Ion: 95 Resp: 55834
Ion Ratio Lower Upper
95 100
174 97.8 76.6 115.0
176 93.8 75.4 113.0

Manual Integrations

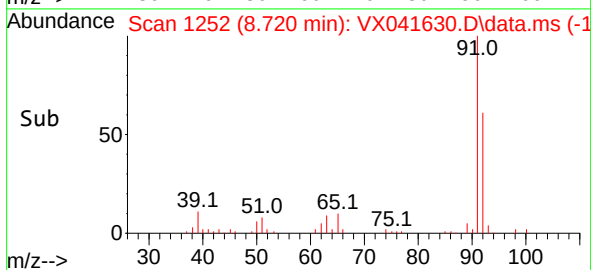
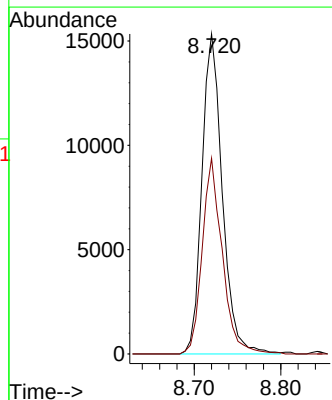
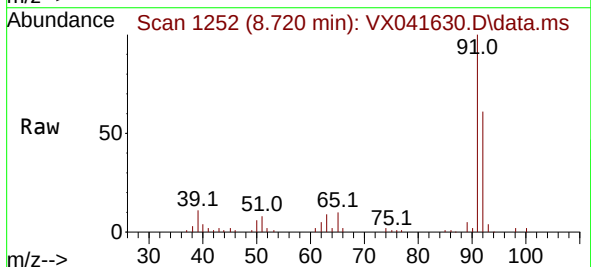
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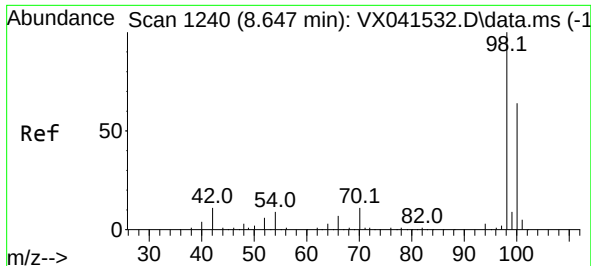
Reviewed By :Mahesh Dadoda 05/24/2024
Supervised By :Semsettin Yesilyurt 05/24/2024



#62
Toluene
Concen: 4.132 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX041630.D
Acq: 23 May 2024 15:45

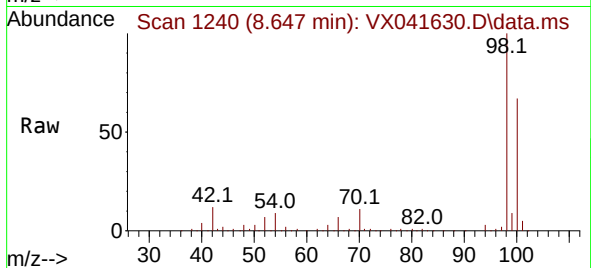
Tgt Ion: 91 Resp: 25081
Ion Ratio Lower Upper
91 100
92 60.2 47.0 70.6





#63
Toluene-d8
Concen: 30.249 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041630.D
Acq: 23 May 2024 15:45

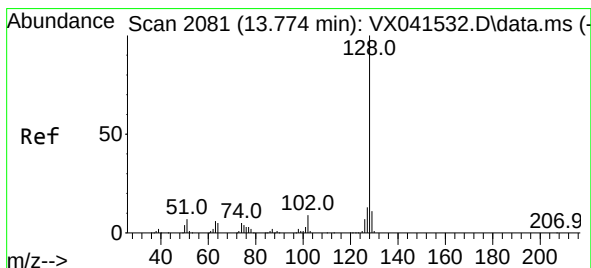
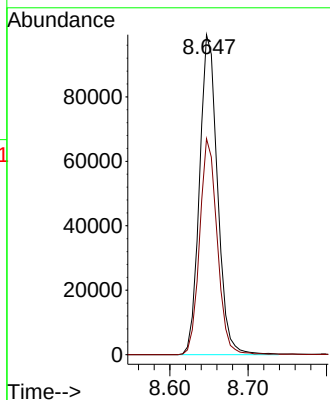
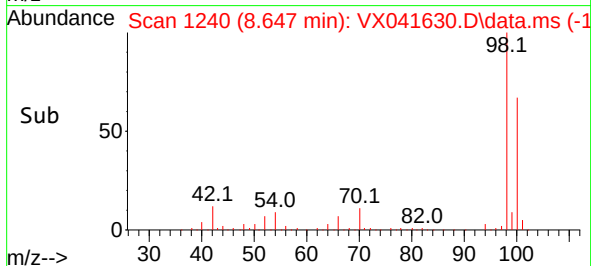
Instrument :
MSVOA_X
ClientSampleId :
240520080-11



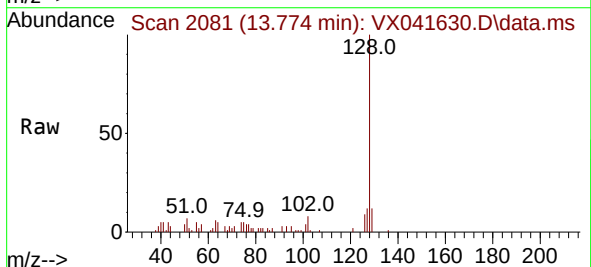
Tgt Ion: 98 Resp: 15818
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/24/2024
Supervised By :Semsettin Yesilyurt 05/24/2024



#91
Naphthalene
Concen: 1.174 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX041630.D
Acq: 23 May 2024 15:45



Tgt Ion:128 Resp: 8499
Ion Ratio Lower Upper
128 100
127 11.6 10.6 16.0
129 10.6 8.8 13.2

