

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035819.D
 Acq On : 23 May 2023 17:15
 Operator : JC/MD
 Sample : 02899-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

Quant Time: May 24 05:51:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

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

Internal Standards						
1) Bromochloromethane	4.904	128	31376	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	182966	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	160063	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	83088	31.871	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.233%			
60) 4-Bromofluorobenzene	11.079	95	76569	28.509	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.033%			
63) Toluene-d8	8.647	98	215903	30.512	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.700%			
Target Compounds						
15) Acetone	2.398	58	1533m	4.600	ug/l	Qvalue
30) 2-Butanone	4.593	43	5428m	3.254	ug/l	
62) Toluene	8.720	91	2590	0.314	ug/l	86
67) m/p-Xylenes	10.305	106	1131	0.324	ug/l	93
80) 1,2,4-Trimethylbenzene	11.750	105	2693	0.354	ug/l	96
82) p-Isopropyltoluene	12.006	119	18535	2.416	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	3200	0.778	ug/l	94

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

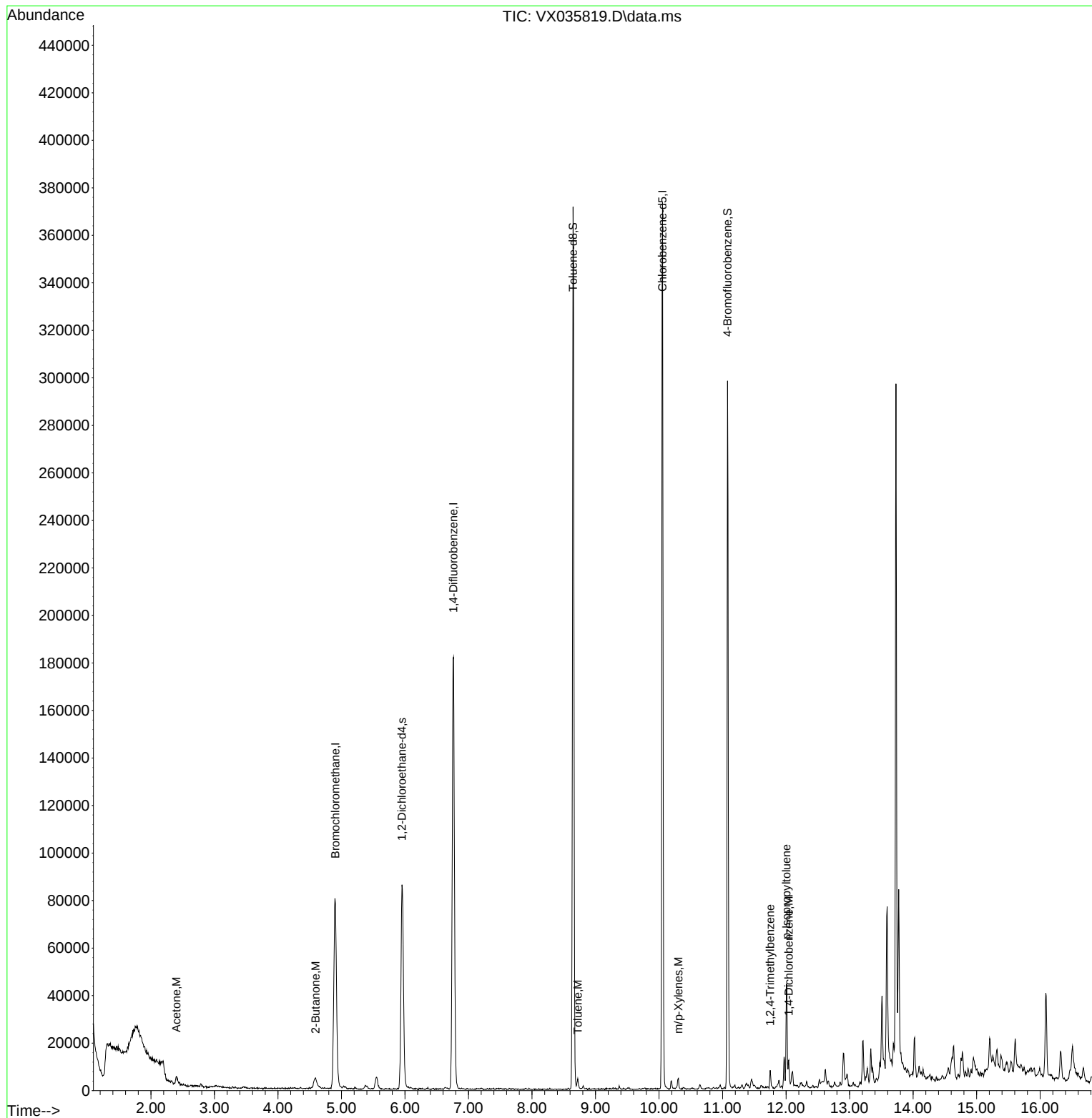
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
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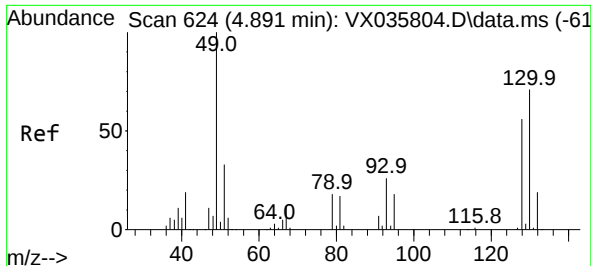
Instrument :
MSVOA_X
ClientSampleId :
TWP01

Quant Time: May 24 05:51:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.904 min Scan# 61

Delta R.T. 0.013 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

TWP01

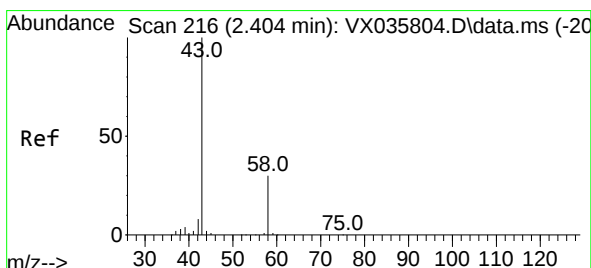
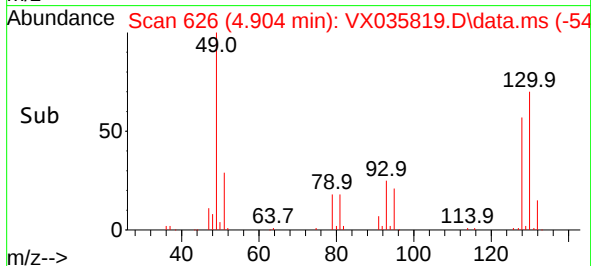
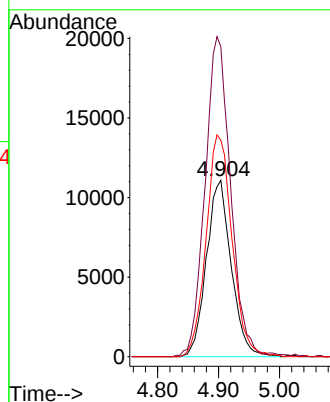
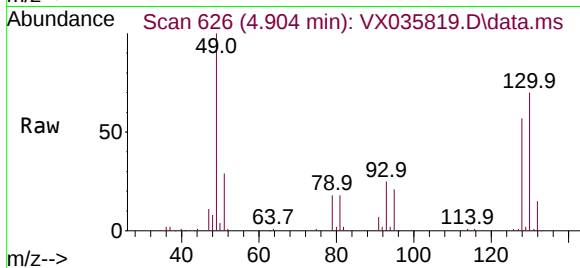
Tgt Ion:	128	Resp:	3137
Ion	Ratio	Lower	Upper
128	100		
49	186.4	0.0	428.8
130	131.4	0.0	310.8

Manual Integrations

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#15

Acetone

Concen: 4.600 ug/l m

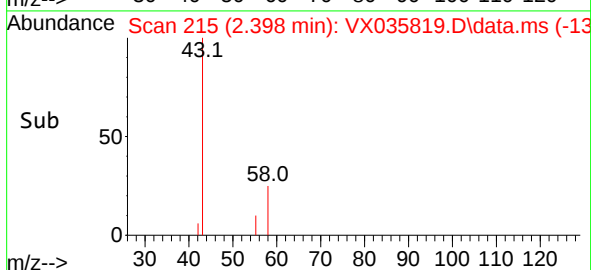
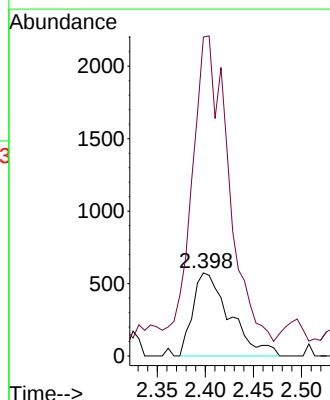
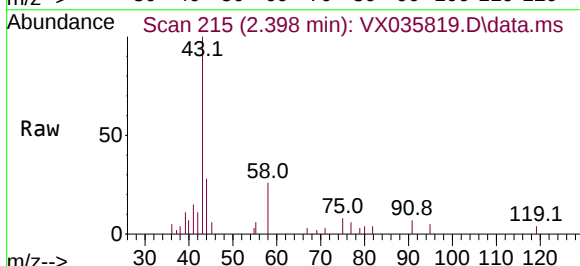
RT: 2.398 min Scan# 215

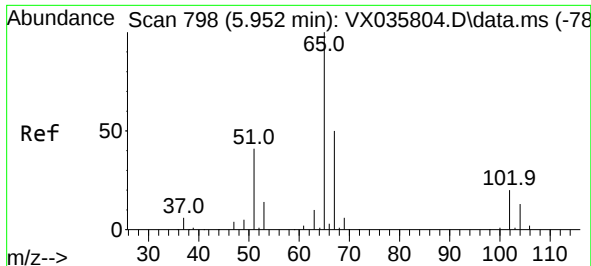
Delta R.T. -0.006 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

Tgt Ion:	58	Resp:	1533
Ion	Ratio	Lower	Upper
58	100		
43	384.1	270.8	406.2





#27

1,2-Dichloroethane-d4

Concen: 31.871 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

TWP01

Tgt Ion: 65 Resp: 8308

Ion Ratio Lower Upper

65 100

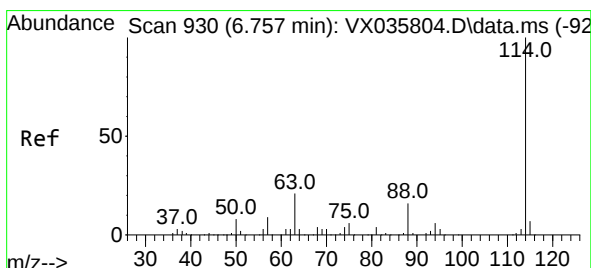
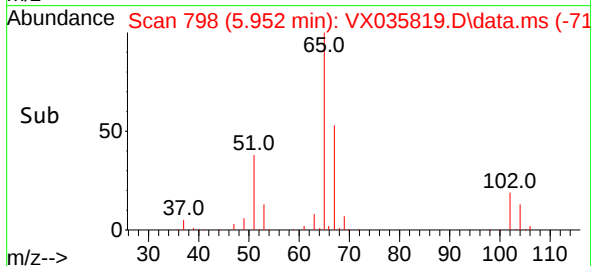
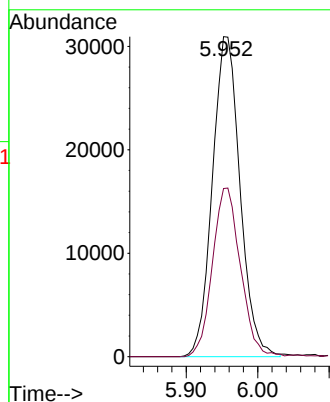
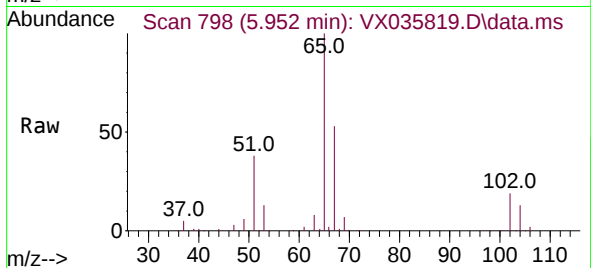
67 53.3 40.9 61.3

Manual Integrations

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Supervised By :Mahesh Dadoda 05/25/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

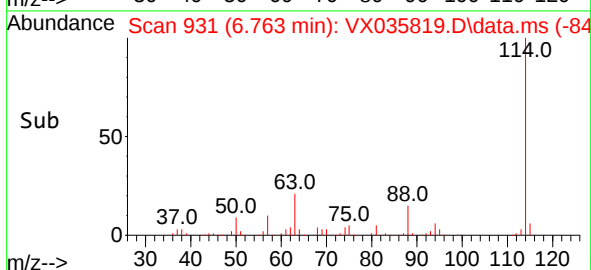
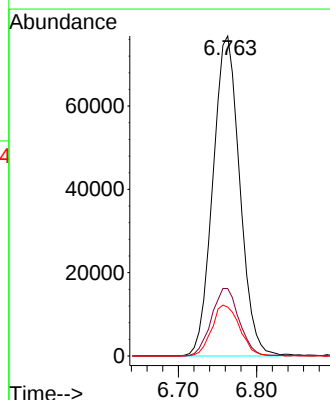
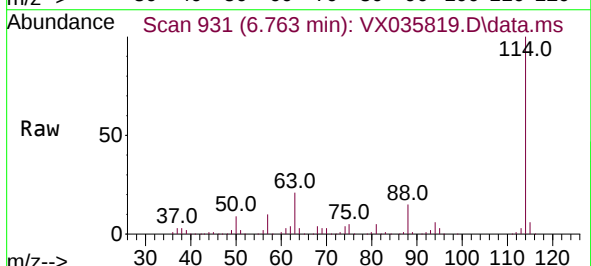
Tgt Ion:114 Resp: 182966

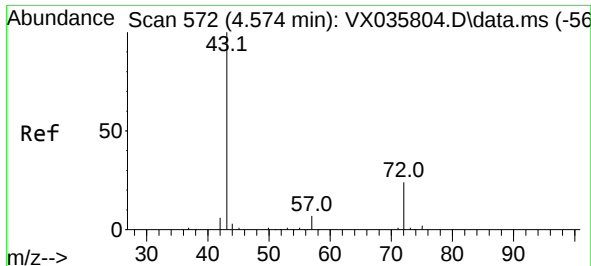
Ion Ratio Lower Upper

114 100

63 21.8 18.0 27.0

88 16.4 13.3 19.9





#30

2-Butanone

Concen: 3.254 ug/l m

RT: 4.593 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

TWP01

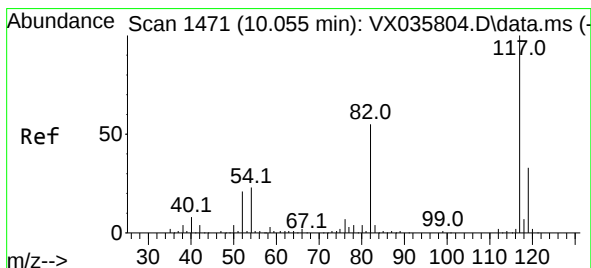
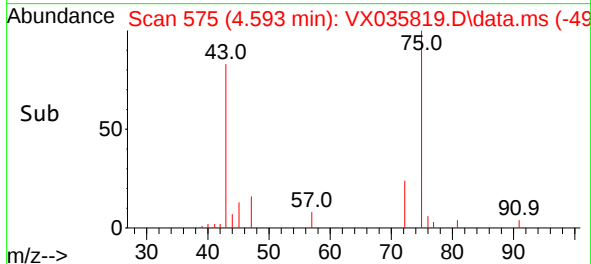
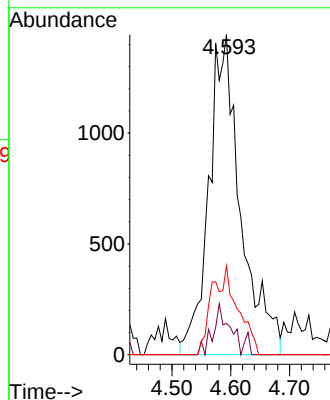
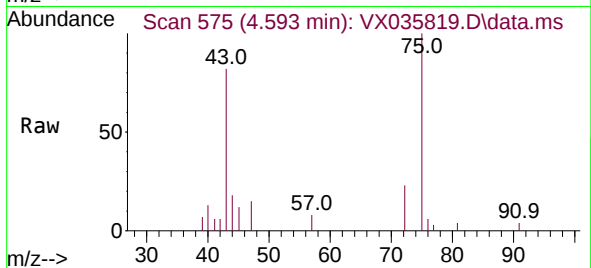
Tgt Ion: 43 Resp: 5428
 Ion Ratio Lower Upper
 43 100
 57 2.1 6.3 9.5
 72 8.8 19.6 29.4

Manual Integrations

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#57

Chlorobenzene-d5

Concen: 30.000 ug/l

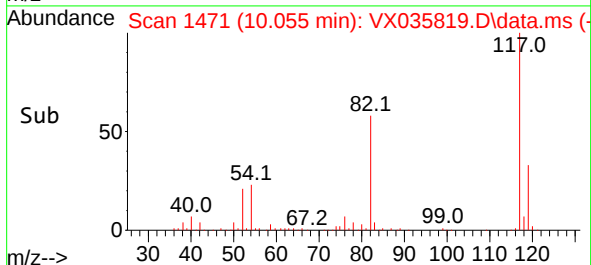
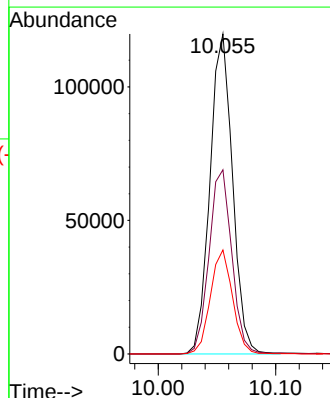
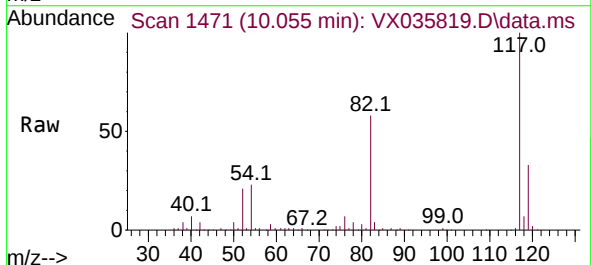
RT: 10.055 min Scan# 1471

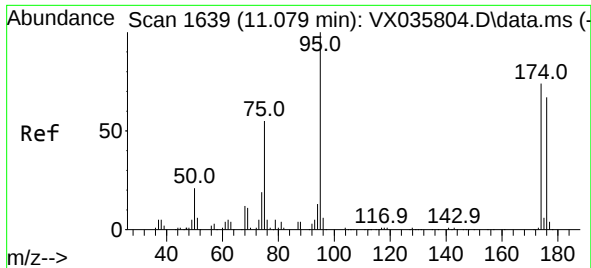
Delta R.T. -0.000 min

Lab File: VX035819.D

Acq: 23 May 2023 17:15

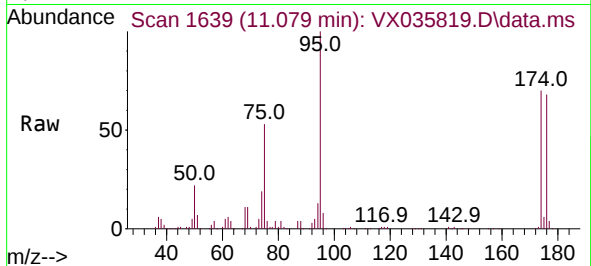
Tgt Ion:117 Resp: 160063
 Ion Ratio Lower Upper
 117 100
 82 58.0 45.8 68.8
 119 32.0 25.4 38.0





#60
4-Bromofluorobenzene
Concen: 28.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

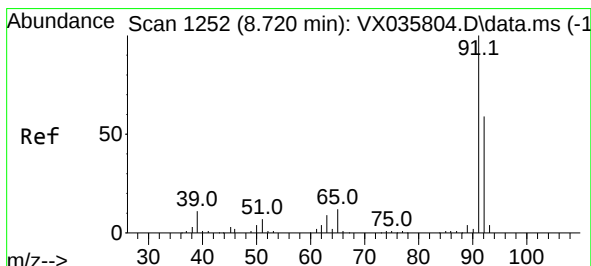
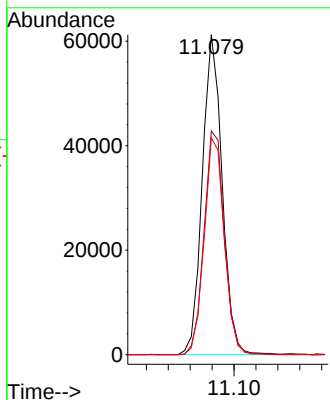
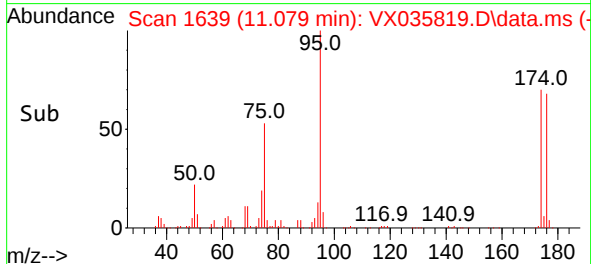
Instrument :
MSVOA_X
ClientSampleId :
TWP01



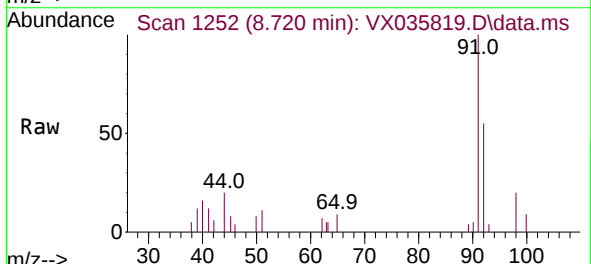
Tgt Ion: 95 Resp: 76569
Ion Ratio Lower Upper
95 100
174 71.7 0.2 0.4
176 68.9 0.2 0.2

Manual Integrations
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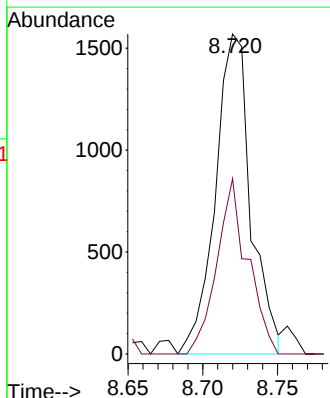
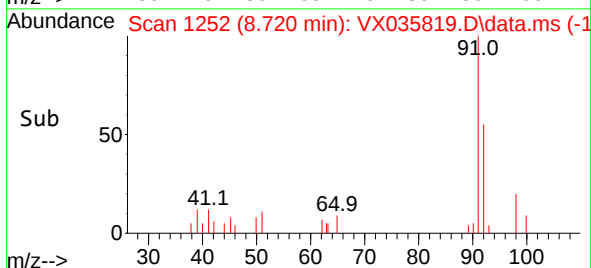
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

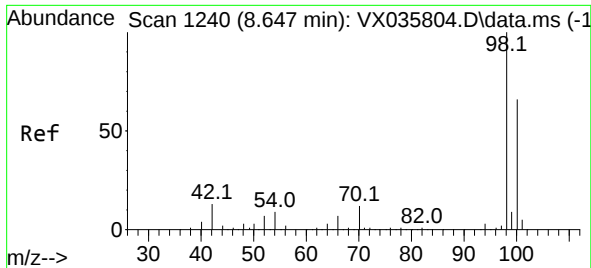


#62
Toluene
Concen: 0.314 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15



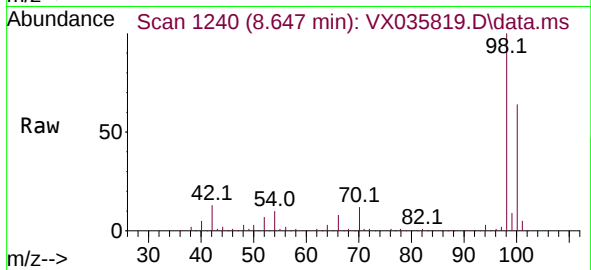
Tgt Ion: 91 Resp: 2590
Ion Ratio Lower Upper
91 100
92 47.5 46.5 69.7





#63
Toluene-d8
Concen: 30.512 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

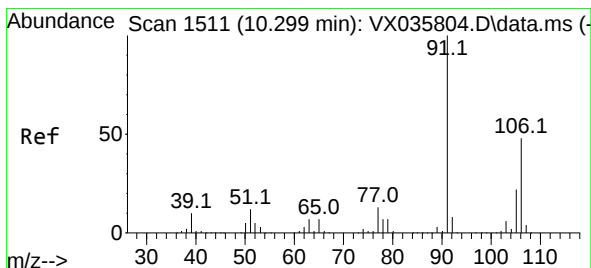
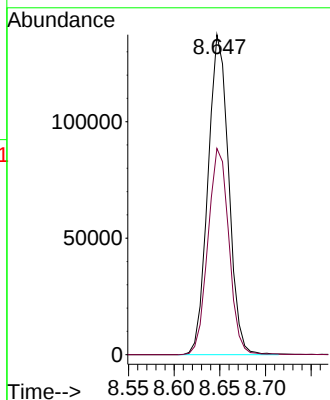
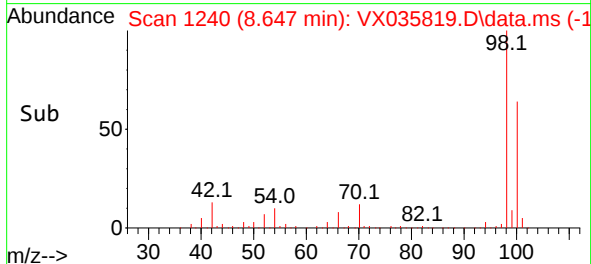
Instrument :
MSVOA_X
ClientSampleId :
TWP01



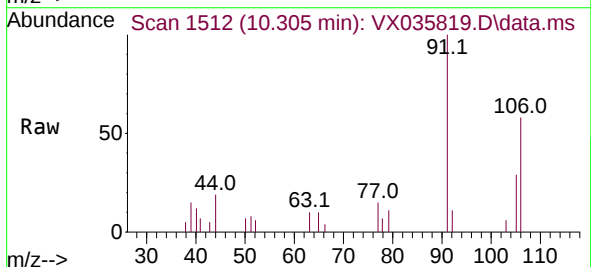
Tgt Ion: 98 Resp: 21590
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1

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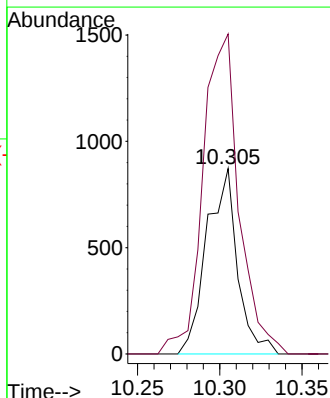
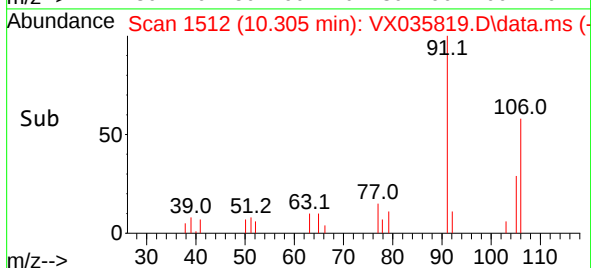
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

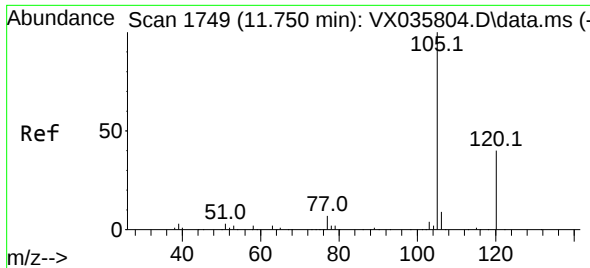


#67
m/p-Xylenes
Concen: 0.324 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15



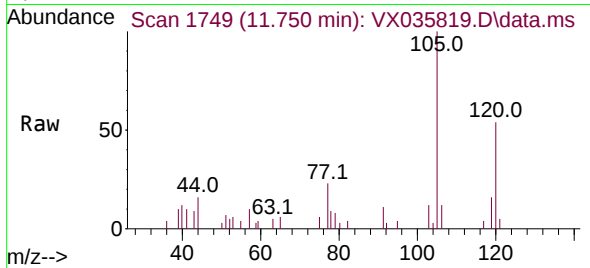
Tgt Ion:106 Resp: 1131
Ion Ratio Lower Upper
106 100
91 197.8 167.4 251.2





#80
1,2,4-Trimethylbenzene
Concen: 0.354 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15

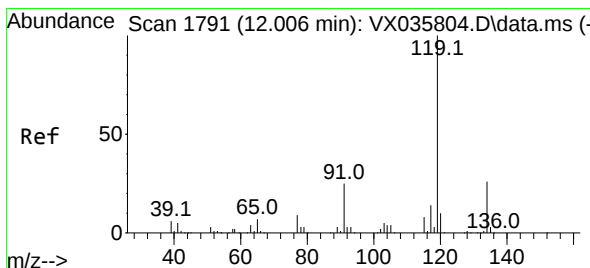
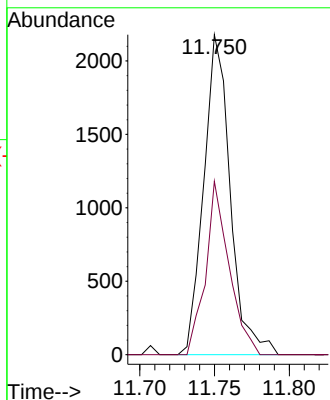
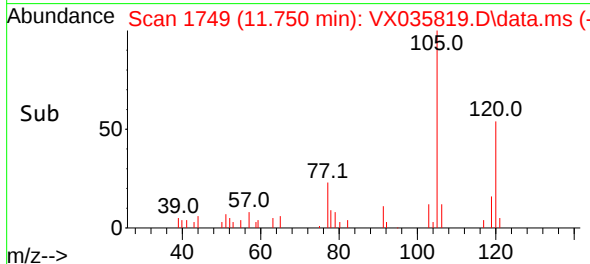
Instrument :
MSVOA_X
ClientSampleId :
TWP01



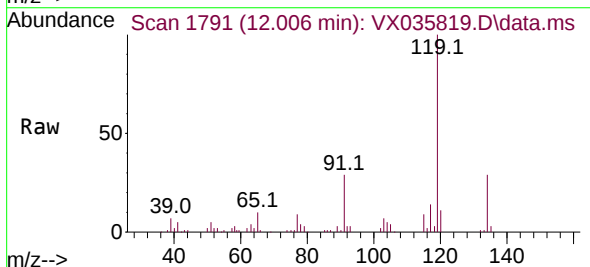
Tgt Ion:105 Resp: 269
Ion Ratio Lower Upper
105 100
120 47.8 0.0 90.4

Manual Integrations
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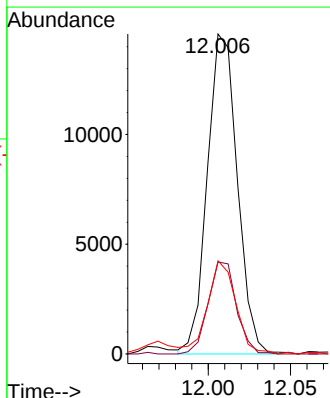
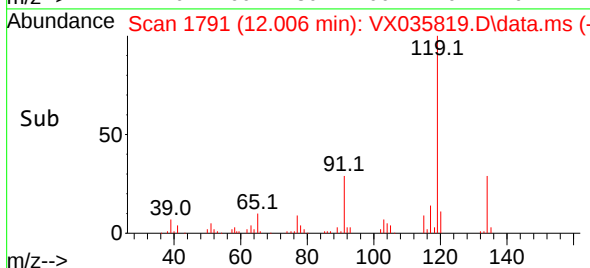
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

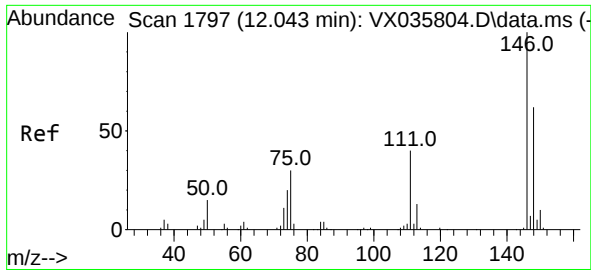


#82
p-Isopropyltoluene
Concen: 2.416 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX035819.D
Acq: 23 May 2023 17:15



Tgt Ion:119 Resp: 18535
Ion Ratio Lower Upper
119 100
134 26.9 0.0 52.2
91 27.6 0.0 51.0





#84

1,4-Dichlorobenzene

Concen: 0.778 ug/l

RT: 12.042 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035819.D

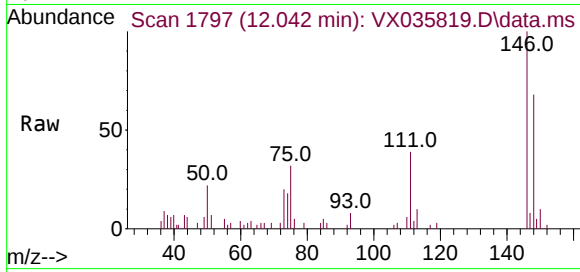
Acq: 23 May 2023 17:15

Instrument :

MSVOA_X

ClientSampleId :

TWP01



Tgt Ion:146 Resp: 3200

Ion Ratio Lower Upper

146 100

111 42.8 20.3 60.9

148 69.6 31.8 95.3

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