

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010924\
 Data File : VX039678.D
 Acq On : 09 Jan 2024 14:28
 Operator : JC/MD
 Sample : P1047-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JAN)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/10/2024
 Supervised By : Mahesh Dadoda 01/10/2024

Quant Time: Jan 10 05:34:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jan 09 06:15:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	7917	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	66183	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	77164	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	36967	29.784	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.267%		
60) 4-Bromofluorobenzene	11.079	95	48292	28.375	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.567%		
63) Toluene-d8	8.647	98	95787	30.193	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.633%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	1316	0.680	ug/l #	87
15) Acetone	2.385	58	90291	322.476	ug/l	94
16) Carbon Disulfide	2.507	76	1789	0.552	ug/l #	86
18) Methylene Chloride	2.794	84	564	0.401	ug/l #	85
23) tert-Butyl Alcohol	3.007	59	10206	24.544	ug/l #	100
25) Chloroform	5.098	83	2339m	0.923	ug/l	
30) 2-Butanone	4.580	43	8354	6.133	ug/l #	91
58) 4-Methyl-2-Pentanone	8.579	43	3066	1.208	ug/l	96
62) Toluene	8.720	91	95591	16.710	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	2305	0.447	ug/l	76
82) p-Isopropyltoluene	12.012	119	2607	0.518	ug/l	98

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

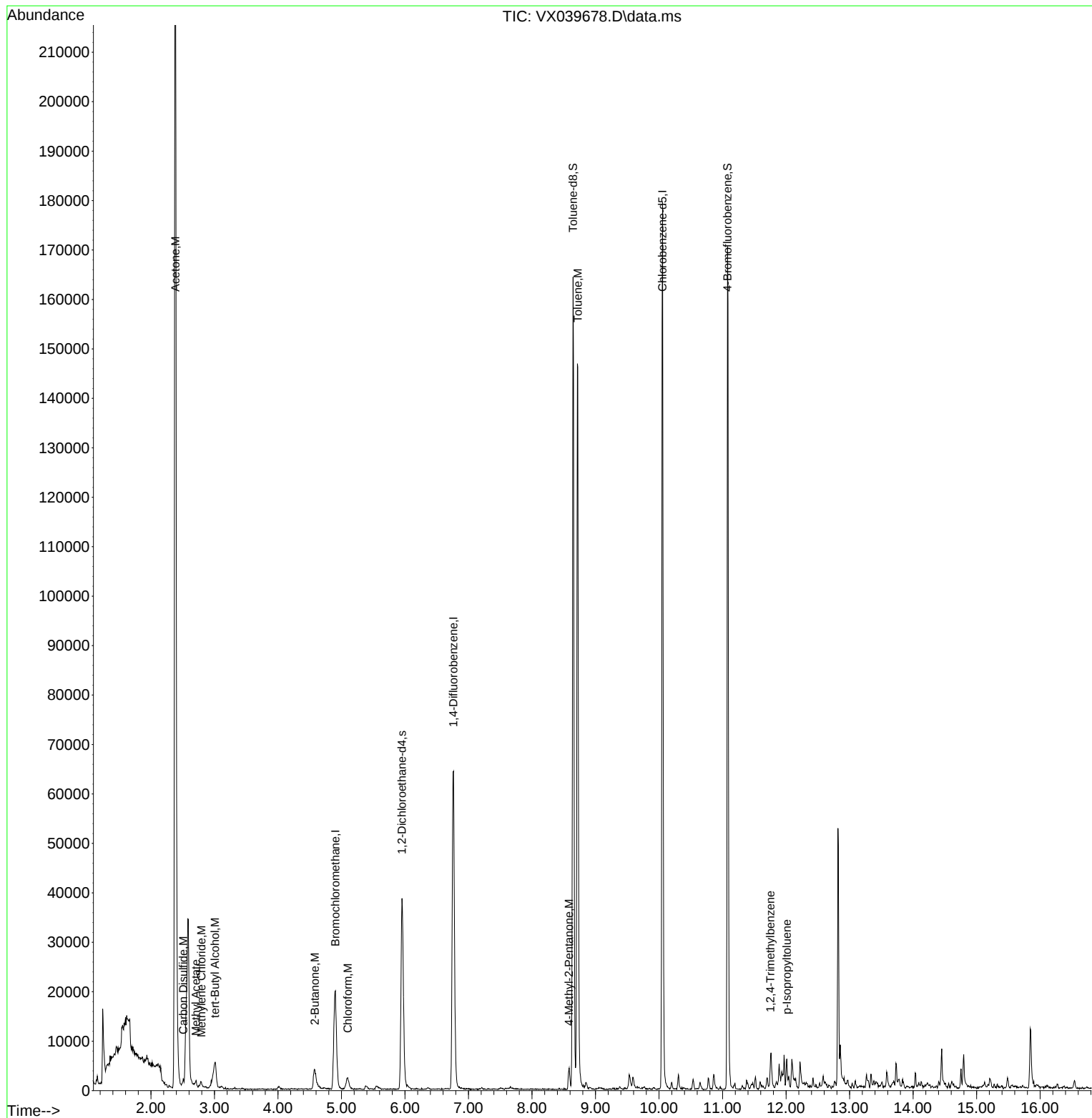
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010924\
Data File : VX039678.D
Acq On : 09 Jan 2024 14:28
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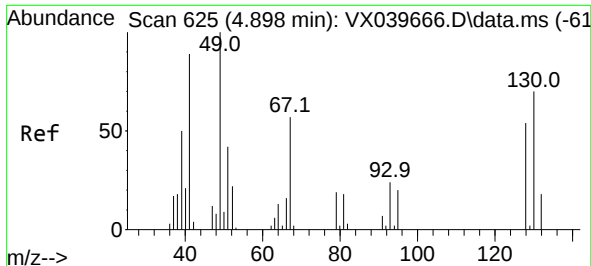
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)

Quant Time: Jan 10 05:34:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jan 09 06:15:26 2024
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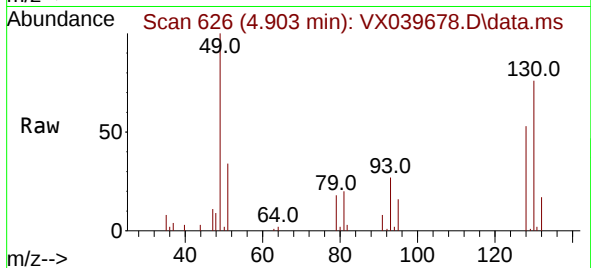
Reviewed By : John Carlone 01/10/2024
Supervised By : Mahesh Dadoda 01/10/2024





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.005 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

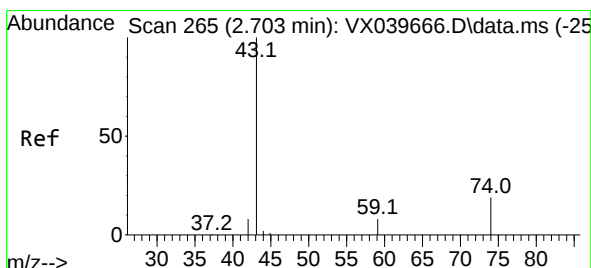
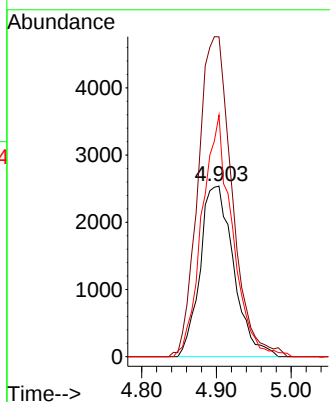
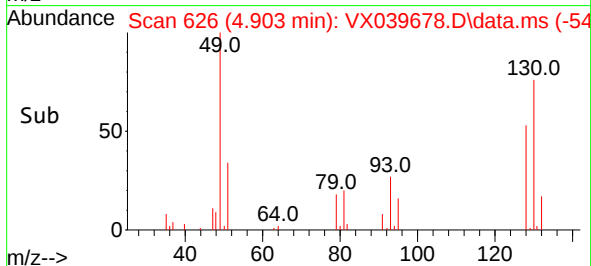
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)



Tgt Ion:128 Resp: 791
Ion Ratio Lower Upper
128 100
49 189.0 0.0 444.0
130 127.9 0.0 297.8

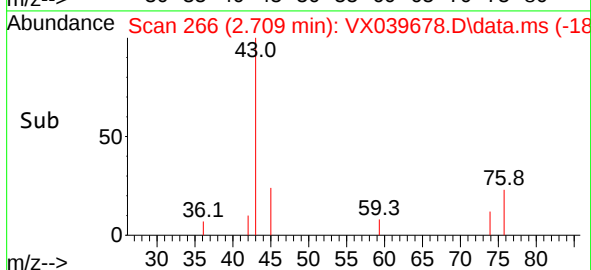
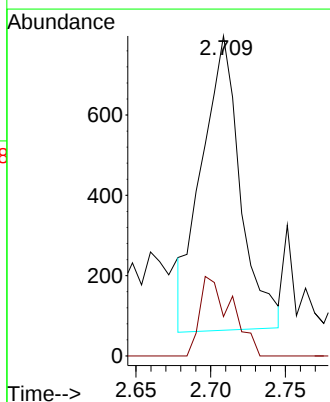
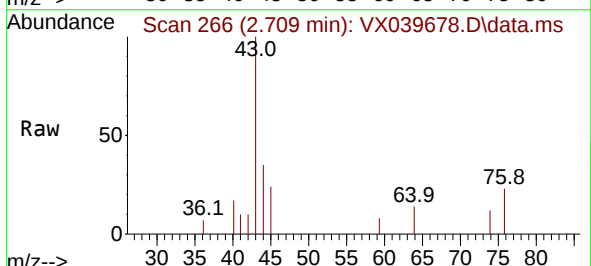
Manual Integrations
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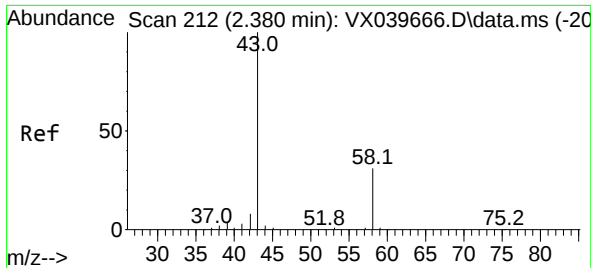
Reviewed By :John Carlone 01/10/2024
Supervised By :Mahesh Dadoda 01/10/2024



#12
Methyl Acetate
Concen: 0.680 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

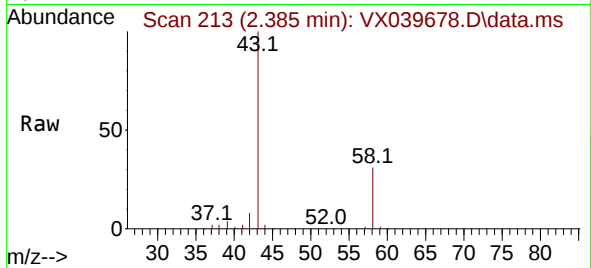
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
74 16.0 17.8 26.6#





#15
Acetone
Concen: 322.476 ug/l
RT: 2.385 min Scan# 212
Delta R.T. 0.005 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

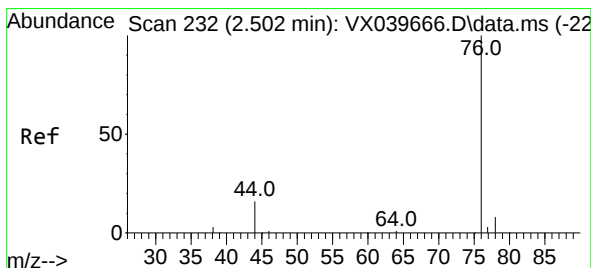
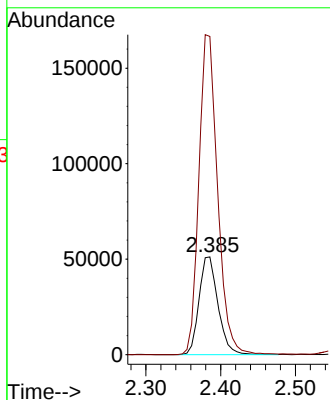
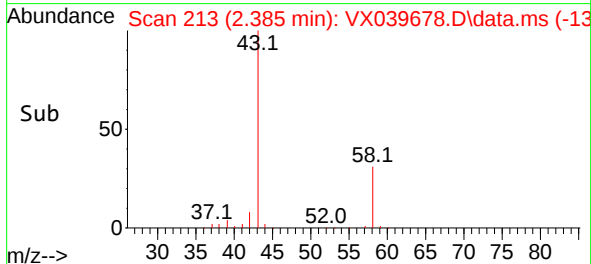
Instrument :
MSVOA_X
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002-35TH-AVE(JAN)



Tgt Ion: 58 Resp: 9029
Ion Ratio Lower Upper
58 100
43 325.4 249.9 374.9

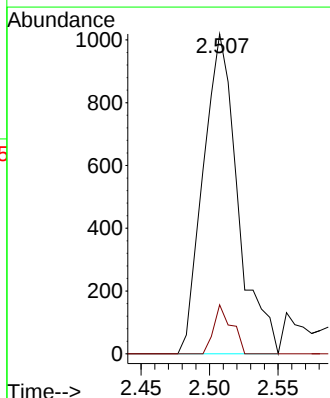
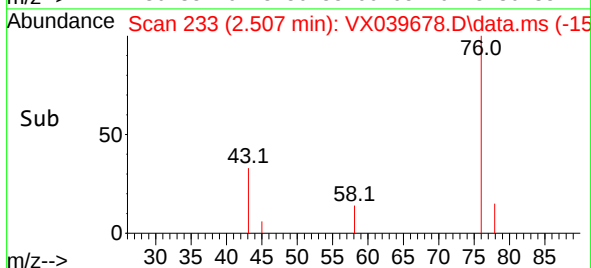
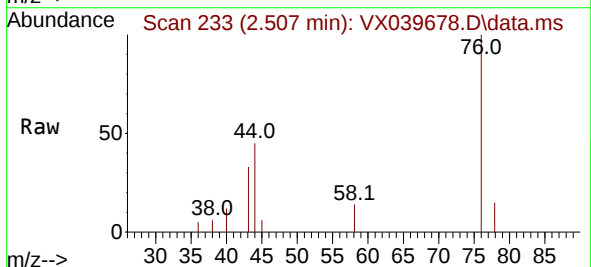
Manual Integrations
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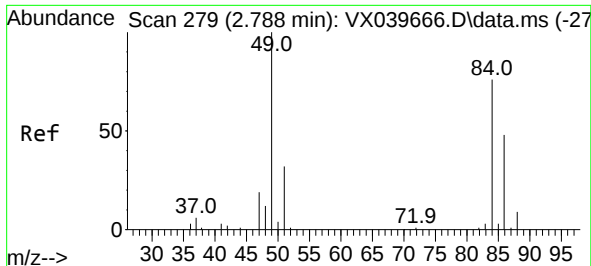
Reviewed By :John Carlone 01/10/2024
Supervised By :Mahesh Dadoda 01/10/2024



#16
Carbon Disulfide
Concen: 0.552 ug/l
RT: 2.507 min Scan# 233
Delta R.T. 0.005 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

Tgt Ion: 76 Resp: 1789
Ion Ratio Lower Upper
76 100
78 15.3 8.0 12.0#





#18

Methylene Chloride

Concen: 0.401 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX039678.D

Acq: 09 Jan 2024 14:28

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JAN)

Tgt Ion: 84 Resp: 564

Ion Ratio Lower Upper

84 100

49 139.2 103.8 155.8

51 46.3 31.8 47.6

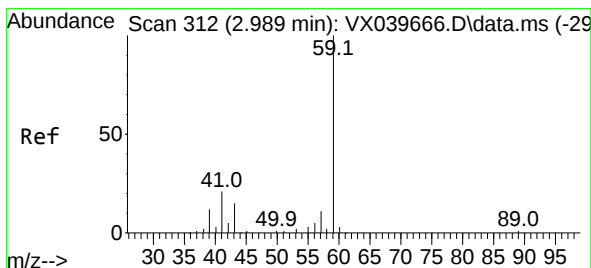
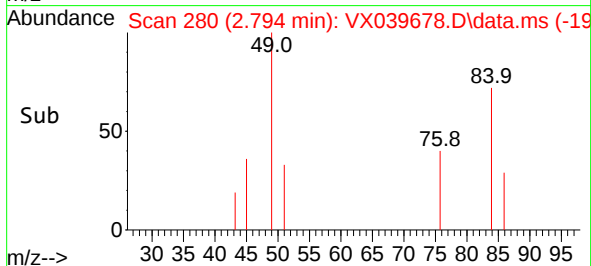
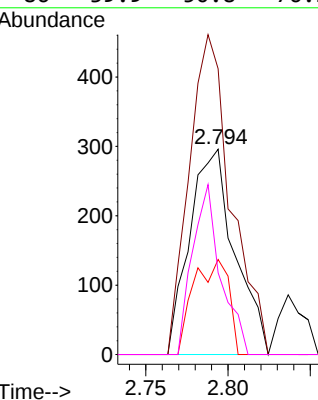
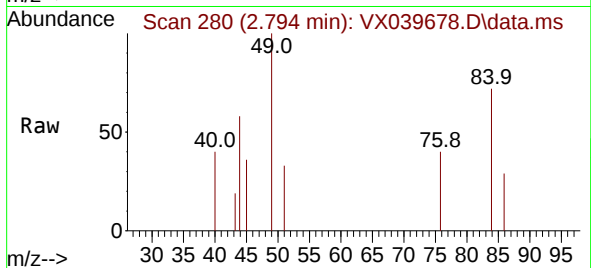
86 39.9 50.8 76.2#

Manual Integrations

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Reviewed By :John Carlone 01/10/2024

Supervised By :Mahesh Dadoda 01/10/2024



#23

tert-Butyl Alcohol

Concen: 24.544 ug/l

RT: 3.007 min Scan# 315

Delta R.T. 0.018 min

Lab File: VX039678.D

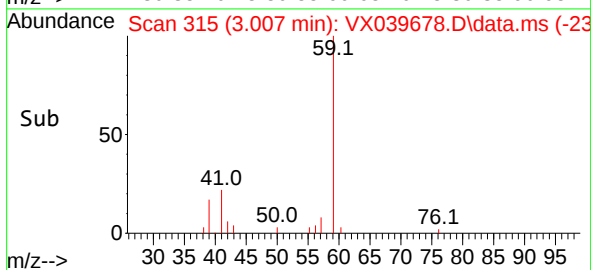
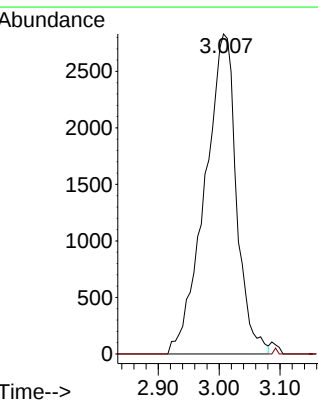
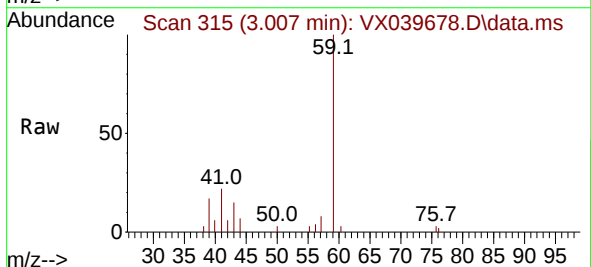
Acq: 09 Jan 2024 14:28

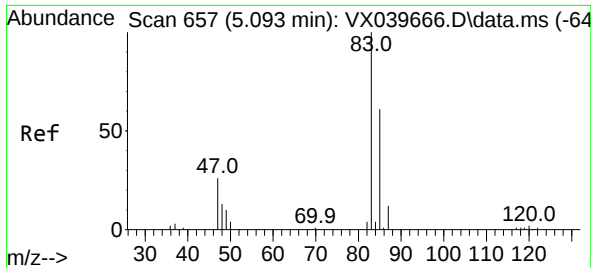
Tgt Ion: 59 Resp: 10206

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





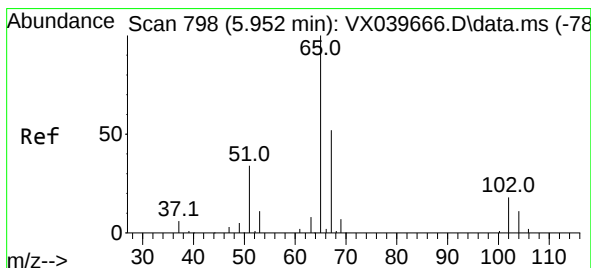
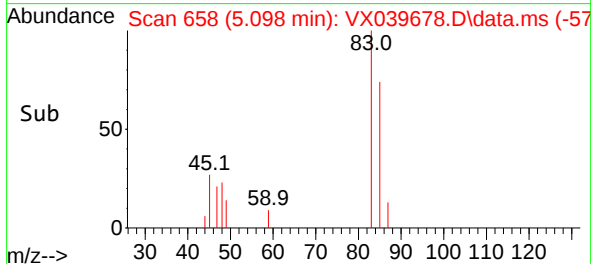
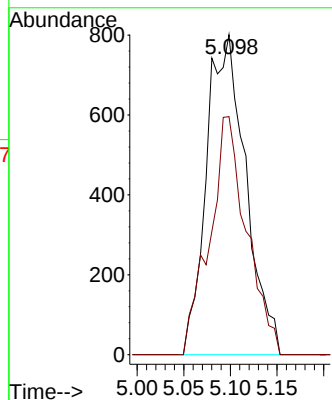
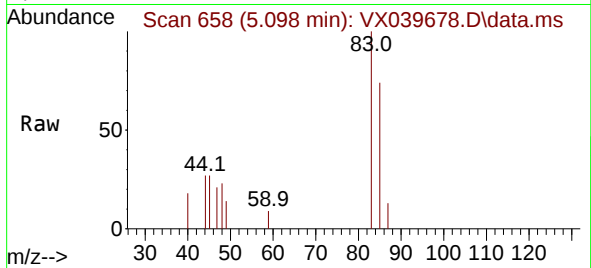
#25
Chloroform
Concen: 0.923 ug/l m
RT: 5.098 min Scan# 61
Delta R.T. 0.005 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)

Tgt Ion: 83 Resp: 2339
Ion Ratio Lower Upper
83 100
85 74.4 54.6 81.8

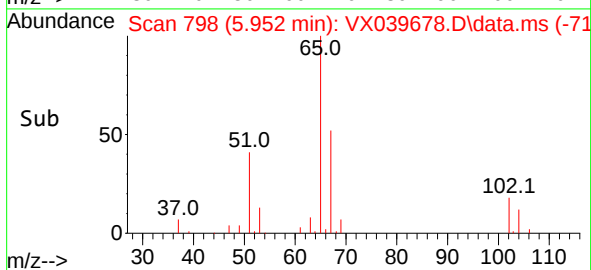
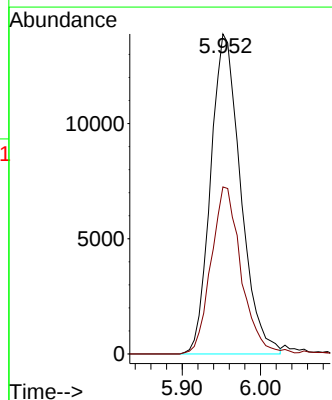
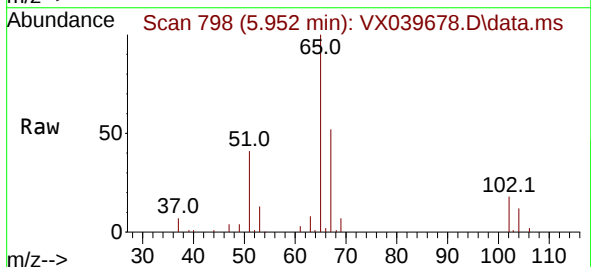
Manual Integrations
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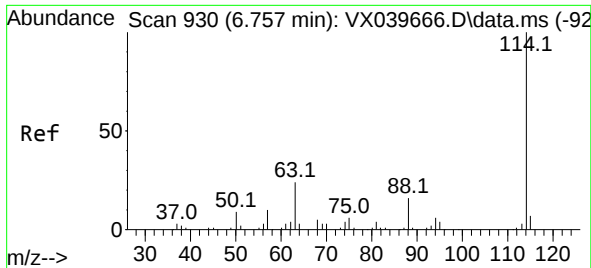
Reviewed By :John Carlone 01/10/2024
Supervised By :Mahesh Dadoda 01/10/2024



#27
1,2-Dichloroethane-d4
Concen: 29.784 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

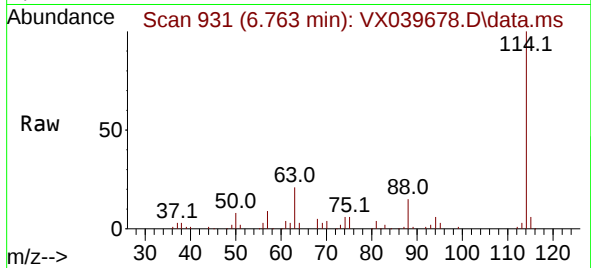
Tgt Ion: 65 Resp: 36967
Ion Ratio Lower Upper
65 100
67 51.9 42.5 63.7





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

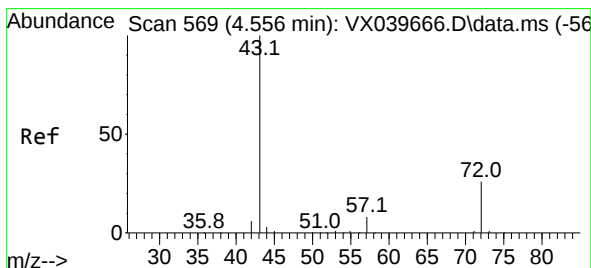
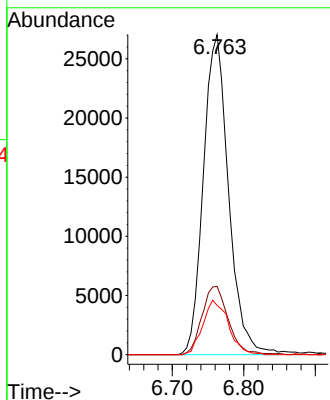
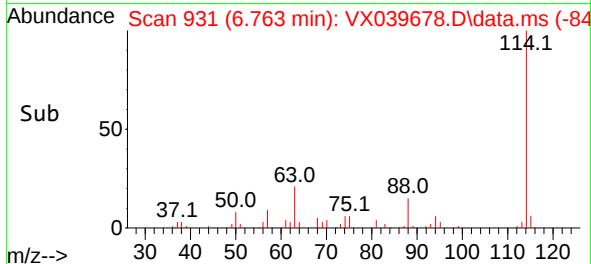
Instrument :
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ClientSampleId :
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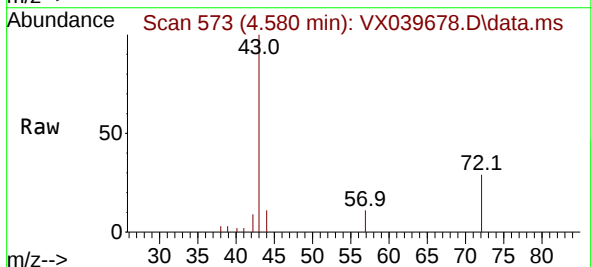
Tgt Ion: 114 Resp: 6618
Ion Ratio Lower Upper
114 100
63 21.8 17.0 25.4
88 17.3 12.7 19.1

Manual Integrations
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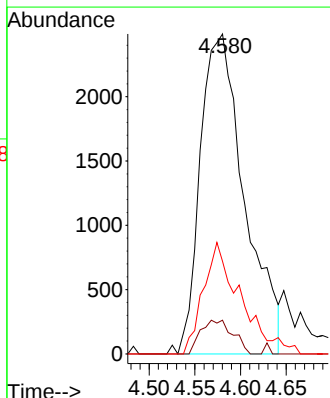
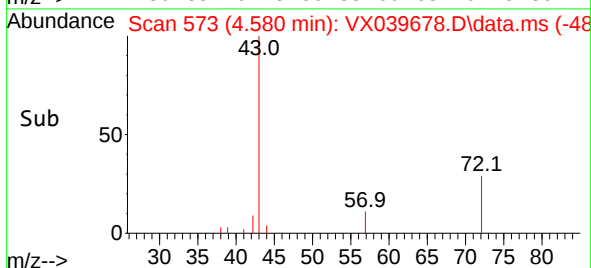
Reviewed By :John Carlone 01/10/2024
Supervised By :Mahesh Dadoda 01/10/2024

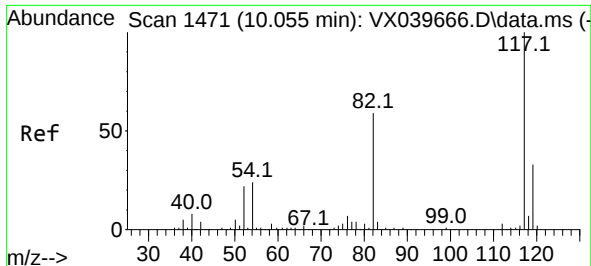


#30
2-Butanone
Concen: 6.133 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28



Tgt Ion: 43 Resp: 8354
Ion Ratio Lower Upper
43 100
57 6.8 6.6 10.0
72 20.2 20.6 31.0#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX039678.D

Acq: 09 Jan 2024 14:28

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JAN)

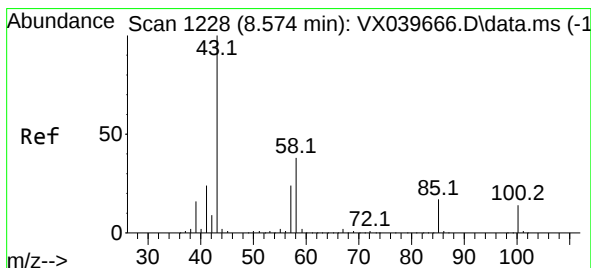
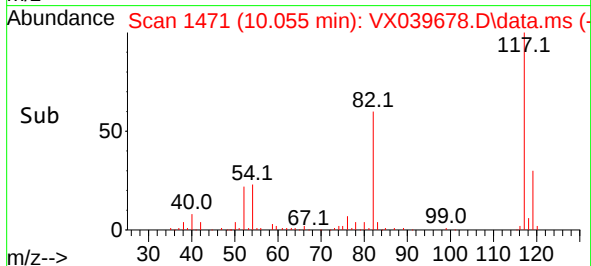
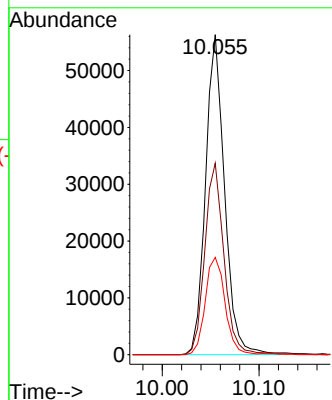
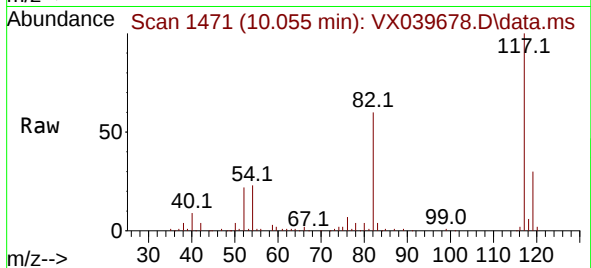
Tgt Ion:	117	Resp:	77164
Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.0	70.6
119	31.6	25.2	37.8

Manual Integrations

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Supervised By :Mahesh Dadoda 01/10/2024



#58

4-Methyl-2-Pentanone

Concen: 1.208 ug/l

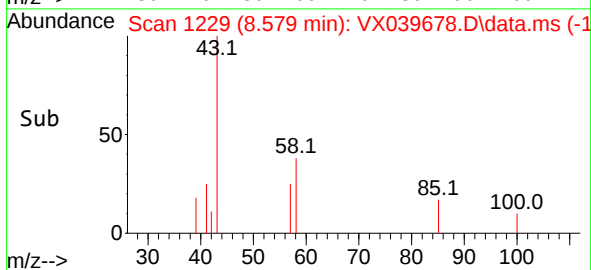
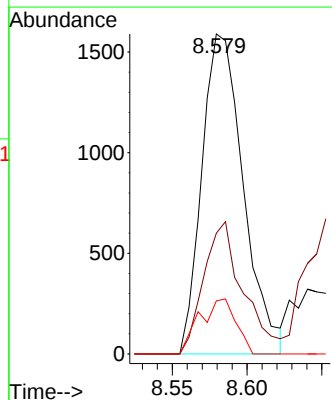
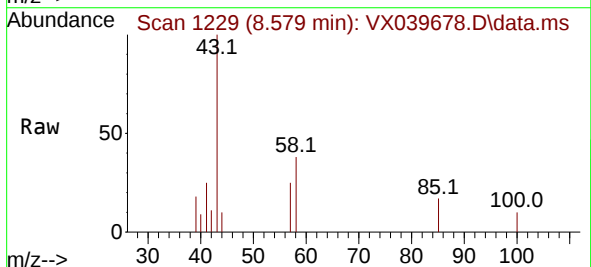
RT: 8.579 min Scan# 1229

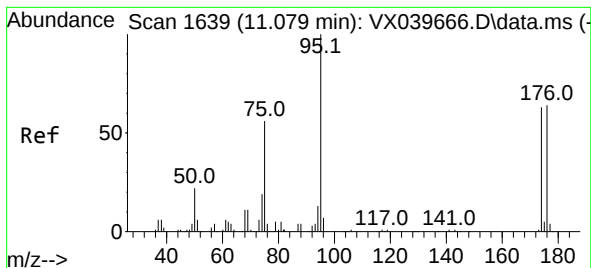
Delta R.T. 0.005 min

Lab File: VX039678.D

Acq: 09 Jan 2024 14:28

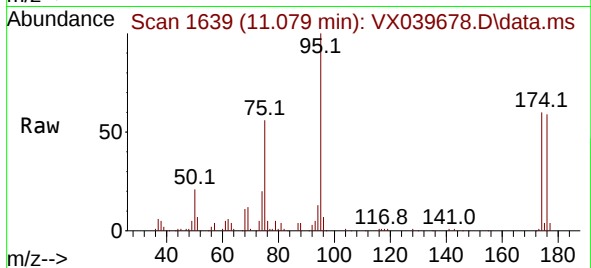
Tgt Ion:	43	Resp:	3066
Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.1	45.1
85	15.0	13.9	20.9





#60
4-Bromofluorobenzene
Concen: 28.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

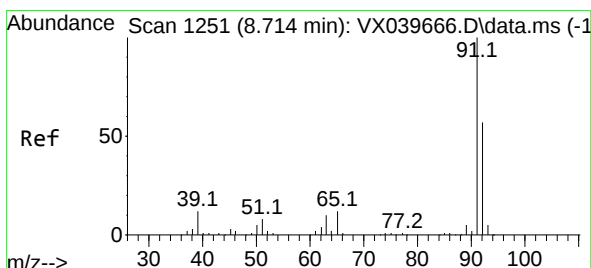
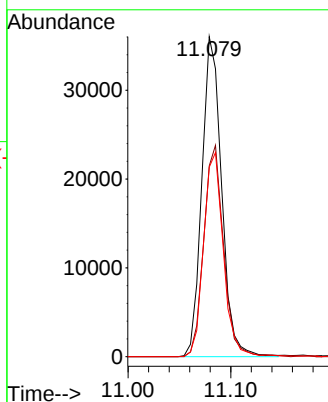
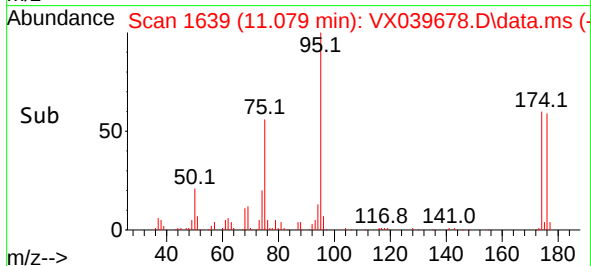
Instrument :
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002-35TH-AVE(JAN)



Tgt Ion: 95 Resp: 48292
Ion Ratio Lower Upper
95 100
174 66.1 55.4 83.2
176 63.4 52.6 78.8

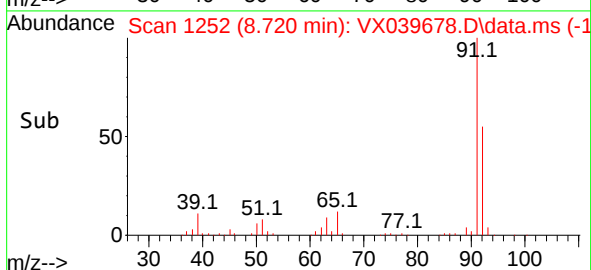
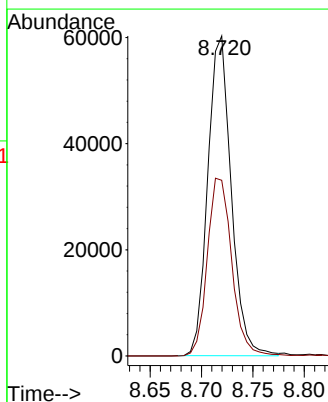
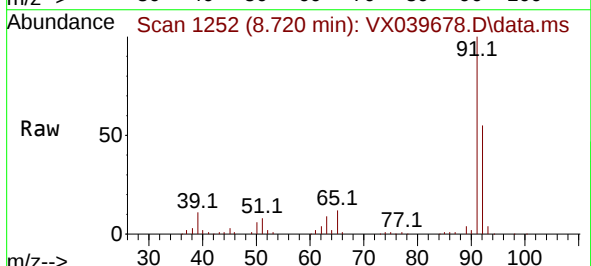
Manual Integrations
APPROVED

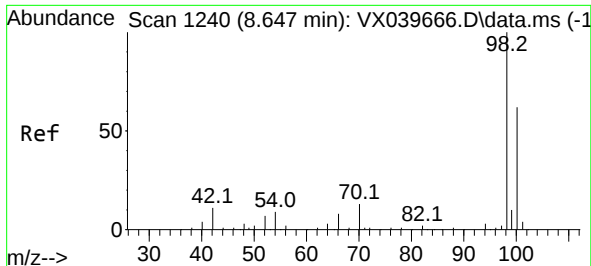
Reviewed By :John Carlone 01/10/2024
Supervised By :Mahesh Dadoda 01/10/2024



#62
Toluene
Concen: 16.710 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

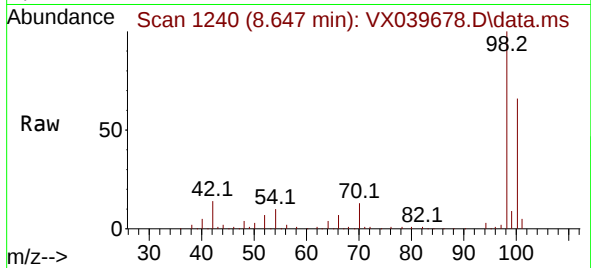
Tgt Ion: 91 Resp: 95591
Ion Ratio Lower Upper
91 100
92 58.2 45.9 68.9





#63
Toluene-d8
Concen: 30.193 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28

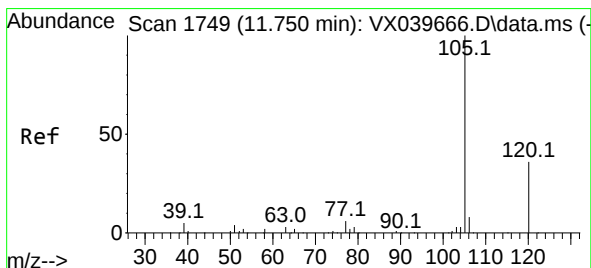
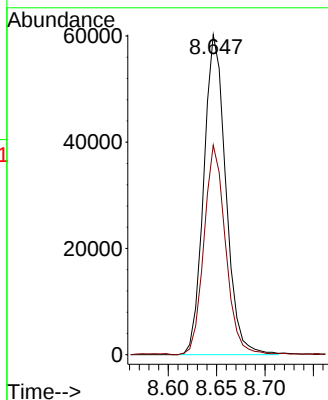
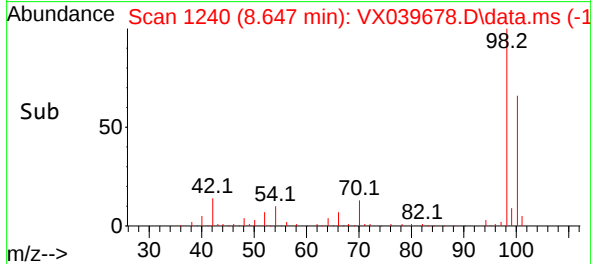
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)



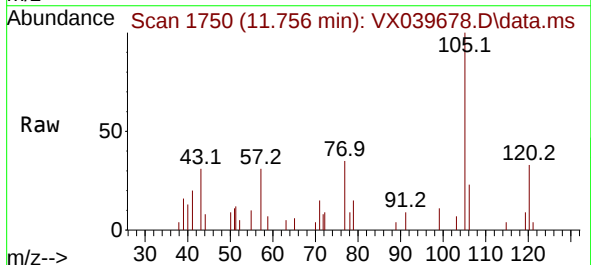
Tgt Ion: 98 Resp: 9578
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.4

Manual Integrations
APPROVED

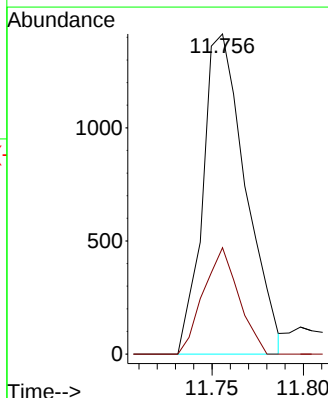
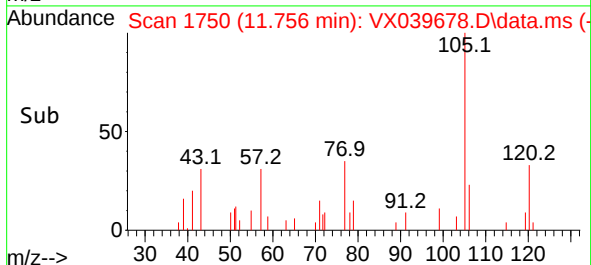
Reviewed By :John Carlone 01/10/2024
Supervised By :Mahesh Dadoda 01/10/2024

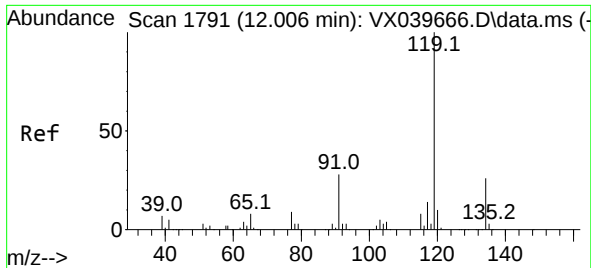


#80
1,2,4-Trimethylbenzene
Concen: 0.447 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039678.D
Acq: 09 Jan 2024 14:28



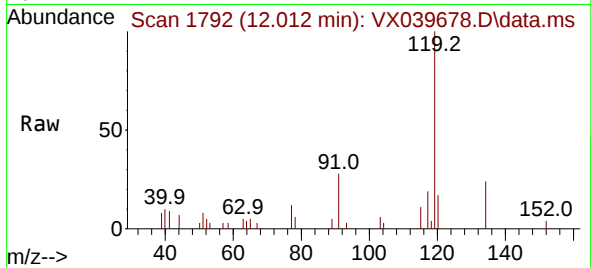
Tgt Ion:105 Resp: 2305
Ion Ratio Lower Upper
105 100
120 27.5 0.0 86.4





#82
 p-Isopropyltoluene
 Concen: 0.518 ug/l
 RT: 12.012 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX039678.D
 Acq: 09 Jan 2024 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JAN)



Tgt Ion:119 Resp: 260
 Ion Ratio Lower Upper
 119 100
 134 24.5 0.0 52.6
 91 27.3 0.0 54.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/10/2024
 Supervised By :Mahesh Dadoda 01/10/2024

