

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040234.D
 Acq On : 14 Feb 2024 20:31
 Operator : JC/MD
 Sample : P1427-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50239

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2024
 Supervised By : Mahesh Dadoda 02/15/2024

Quant Time: Feb 15 00:08:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	72137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122883	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47226	44.005	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.020%		
35) Dibromofluoromethane	5.385	113	39117	45.583	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.160%		
50) Toluene-d8	8.647	98	151948	47.335	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.660%		
62) 4-Bromofluorobenzene	11.079	95	68291	52.163	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.320%		
Target Compounds					Qvalue	
16) Acetone	2.380	43	96042	217.898	ug/l	93
18) Methyl Acetate	2.703	43	3045	2.577	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	168753	65.039	ug/l #	89
22) Diisopropyl ether	3.757	45	63574	24.526	ug/l #	70
25) 2-Butanone	4.556	43	50521	73.327	ug/l	94
31) Cyclohexane	5.470	56	24586	19.207	ug/l	97
37) Ethyl Acetate	4.708	43	327904	245.144	ug/l	97
39) Methylcyclohexane	7.379	83	7355	5.265	ug/l #	86
40) Benzene	6.044	78	3432398	1021.040	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	1717	1.204	ug/l	93
52) Toluene	8.726	92	3647690	1656.576	ug/l	99
59) 2-Hexanone	9.439	43	1274	1.127	ug/l	84
67) Ethyl Benzene	10.195	91	573468	124.194	ug/l	99
68) m/p-Xylenes	10.299	106	730300	418.768	ug/l	99
69) o-Xylene	10.640	106	333678	196.896	ug/l	97
73) Isopropylbenzene	10.963	105	28999	5.417	ug/l	99
78) n-propylbenzene	11.305	91	89735	13.845	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	138632	30.760	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	601815	131.988	ug/l	98
85) sec-Butylbenzene	11.890	105	5850m	1.030	ug/l	
86) p-Isopropyltoluene	12.006	119	4350m	0.935	ug/l	
95) Naphthalene	13.774	128	140403	26.774	ug/l	99

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

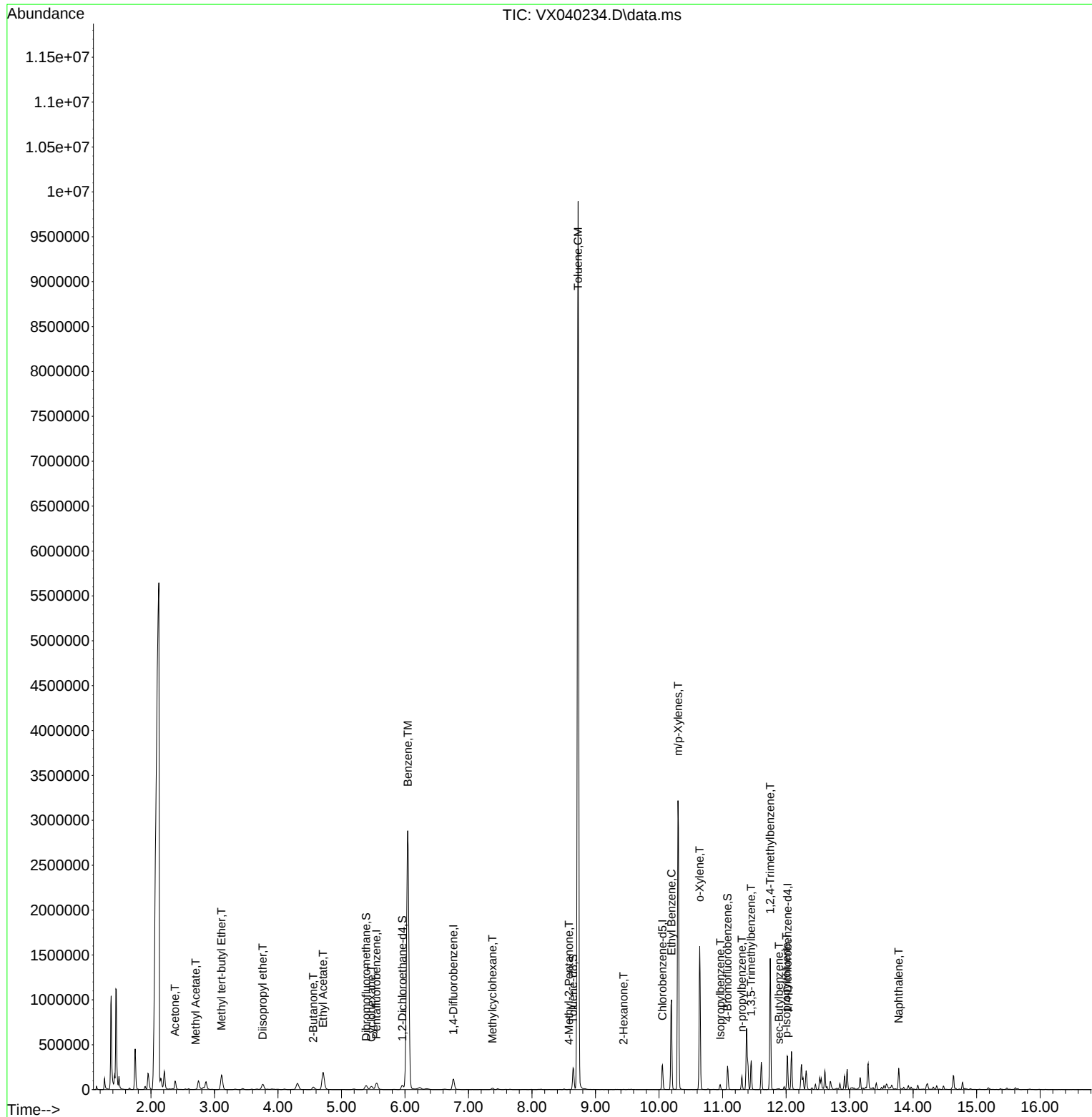
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
Data File : VX040234.D
Acq On : 14 Feb 2024 20:31
Operator : JC/MD
Sample : P1427-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

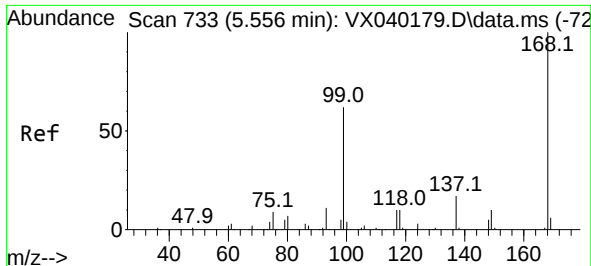
Instrument :
MSVOA_X
ClientSampleId :
50239

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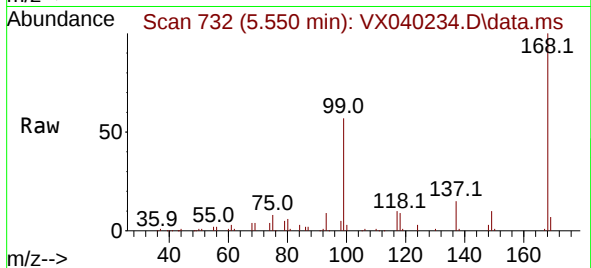
Quant Time: Feb 15 00:08:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

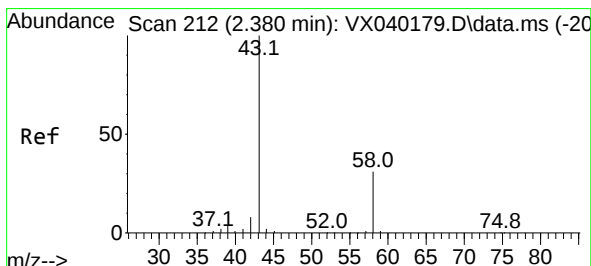
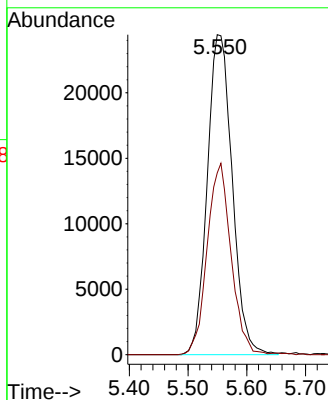
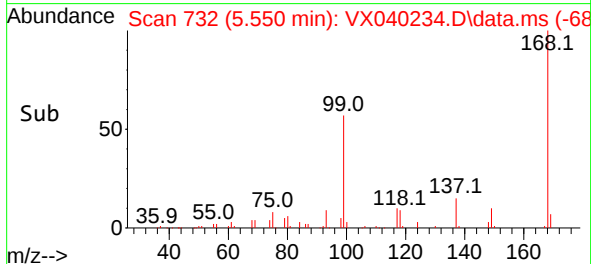
Instrument :
MSVOA_X
ClientSampleId :
50239



Tgt Ion:168 Resp: 7213
Ion Ratio Lower Upper
168 100
99 56.8 56.6 85.0

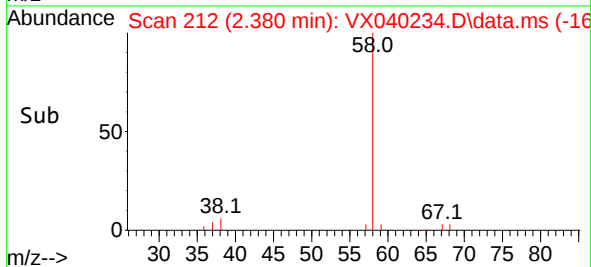
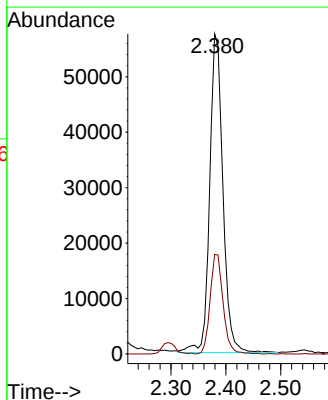
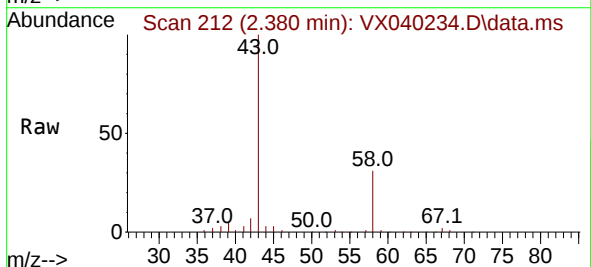
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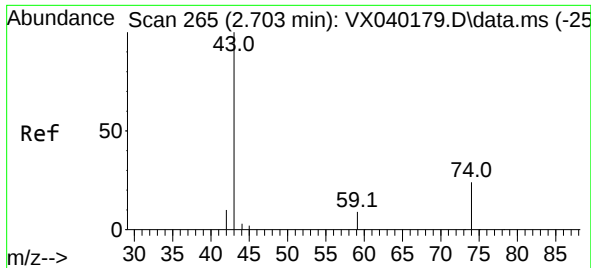
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#16
Acetone
Concen: 217.898 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Tgt Ion: 43 Resp: 96042
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9





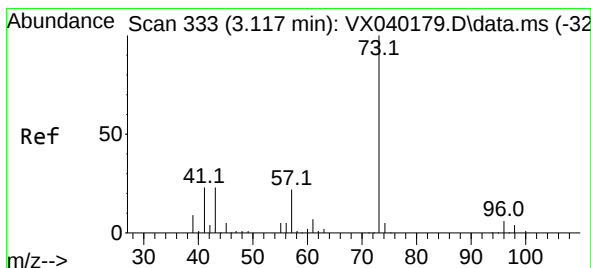
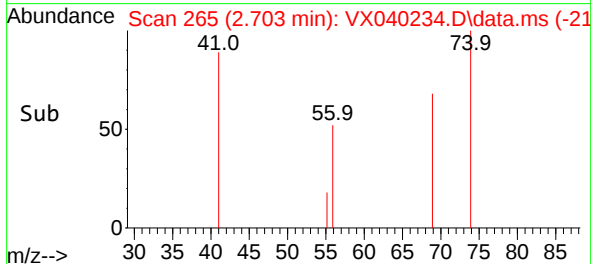
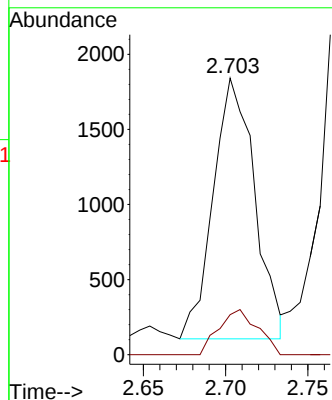
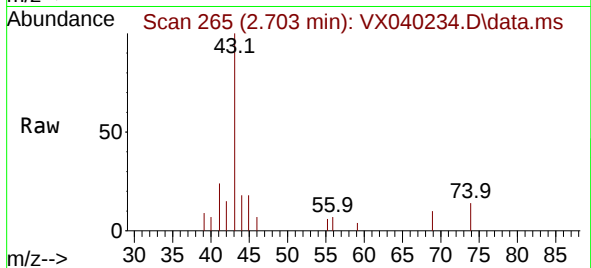
#18
Methyl Acetate
Concen: 2.577 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Instrument :
MSVOA_X
ClientSampleId :
50239

Tgt Ion: 43 Resp: 3049
Ion Ratio Lower Upper
43 100
74 16.2 17.8 26.8

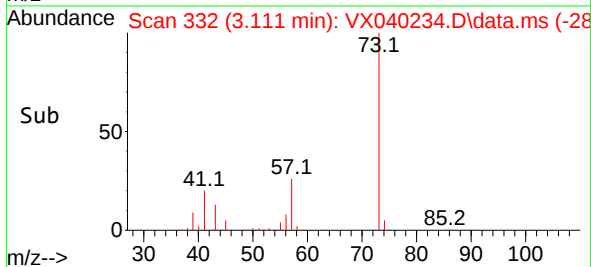
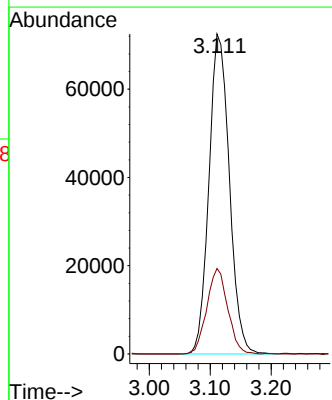
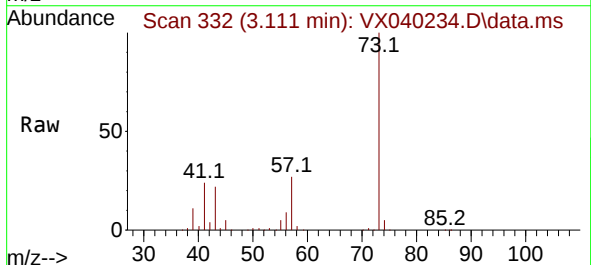
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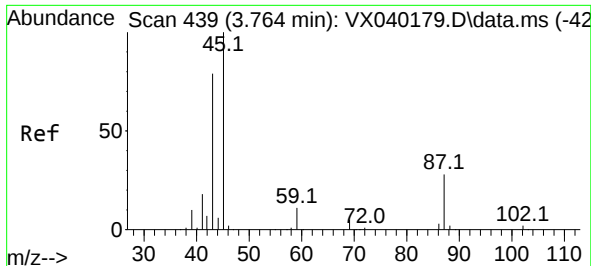
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#19
Methyl tert-butyl Ether
Concen: 65.039 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

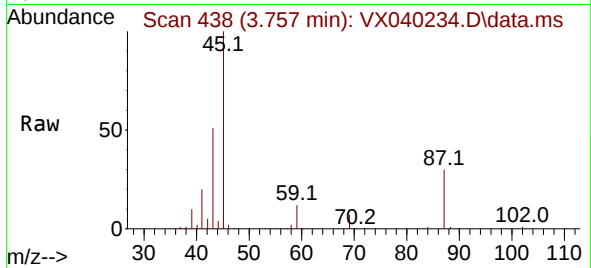
Tgt Ion: 73 Resp: 168753
Ion Ratio Lower Upper
73 100
57 26.7 17.3 25.9





#22
Diisopropyl ether
Concen: 24.526 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

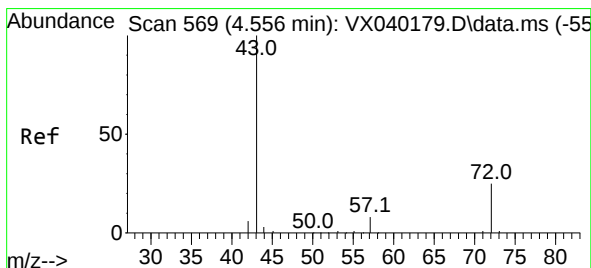
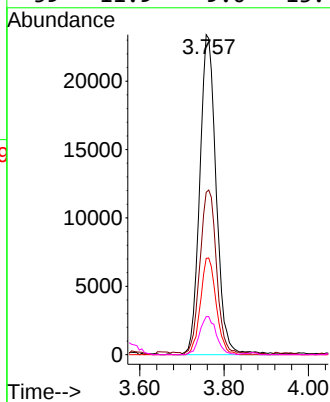
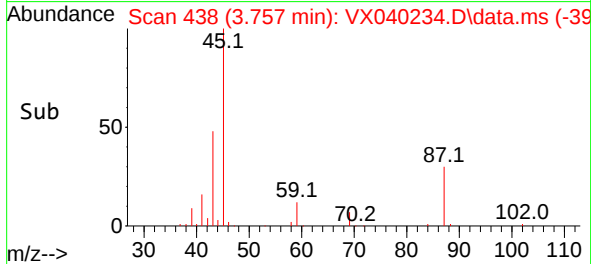
Instrument :
MSVOA_X
ClientSampleId :
50239



Tgt Ion: 45 Resp: 63574
Ion Ratio Lower Upper
45 100
43 50.2 69.7 104.5
87 30.1 20.8 31.2
59 11.9 9.0 13.4

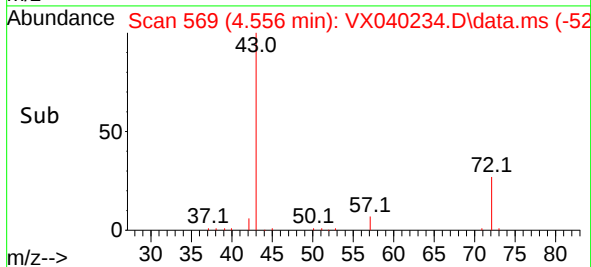
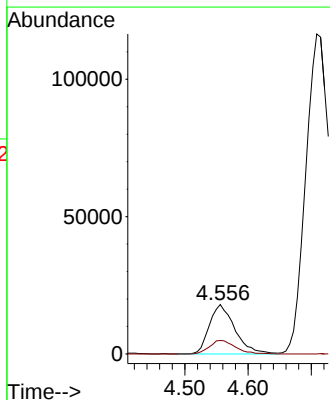
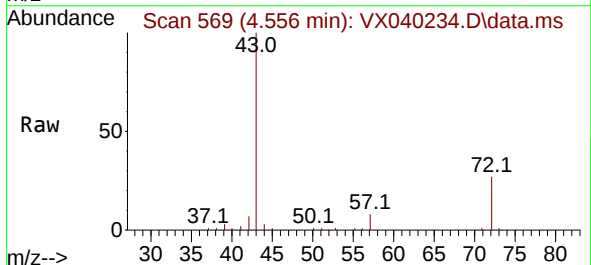
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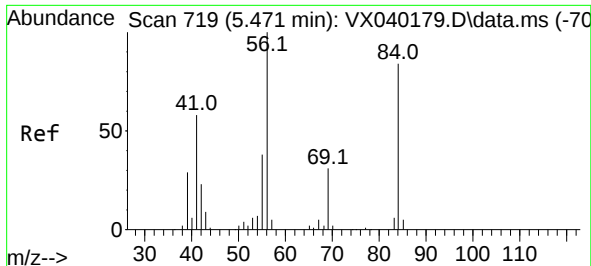
Reviewed By :John Carlone 02/15/2024
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#25
2-Butanone
Concen: 73.327 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

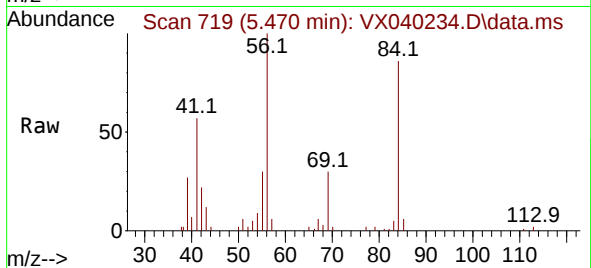
Tgt Ion: 43 Resp: 50521
Ion Ratio Lower Upper
43 100
72 27.2 19.4 29.2





#31
Cyclohexane
Concen: 19.207 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

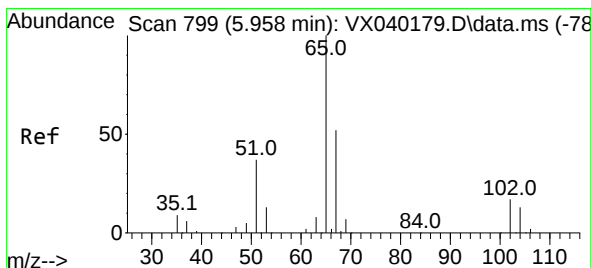
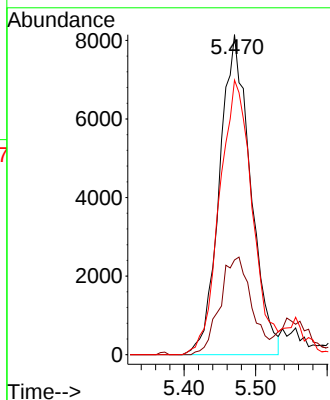
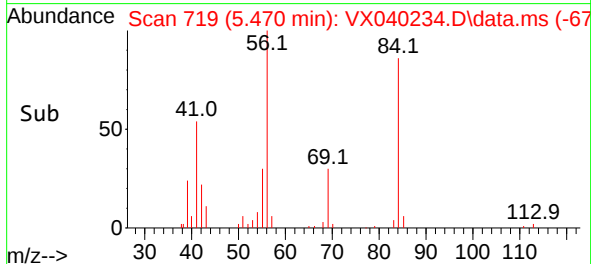
Instrument :
MSVOA_X
ClientSampleId :
50239



Tgt Ion: 56 Resp: 24580
Ion Ratio Lower Upper
56 100
69 29.6 23.4 35.2
84 85.8 65.9 98.9

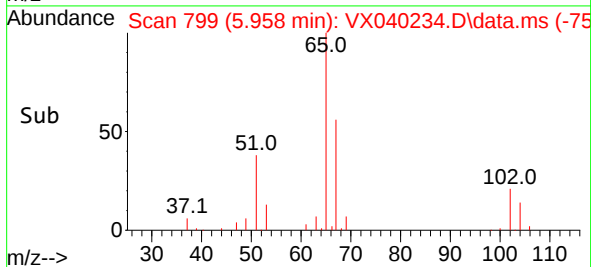
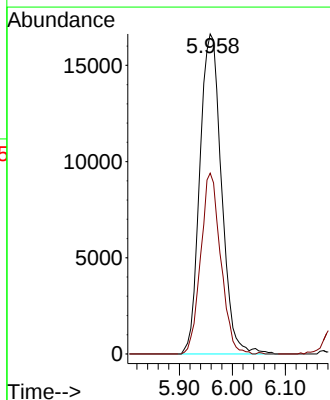
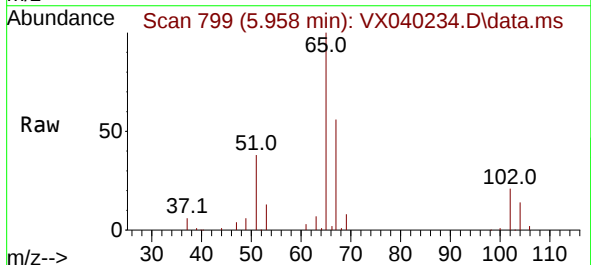
Manual Integrations
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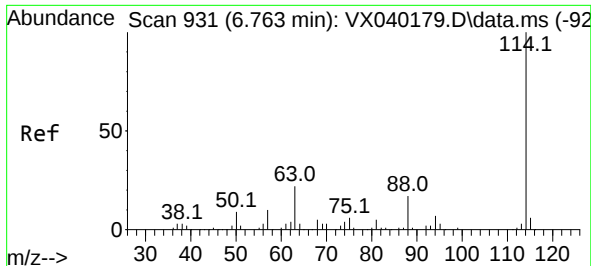
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#33
1,2-Dichloroethane-d4
Concen: 44.005 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Tgt Ion: 65 Resp: 47226
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX040234.D

Acq: 14 Feb 2024 20:31

Instrument :

MSVOA_X

ClientSampleId :

50239

Tgt Ion:114 Resp: 12288

Ion Ratio Lower Upper

114 100

63 19.0 0.0 45.0

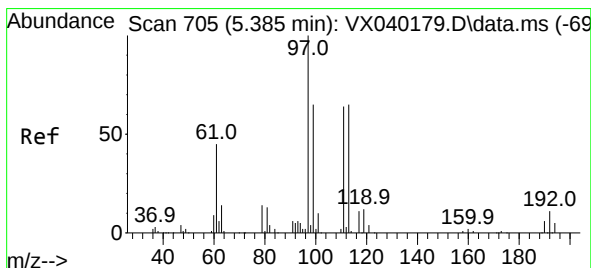
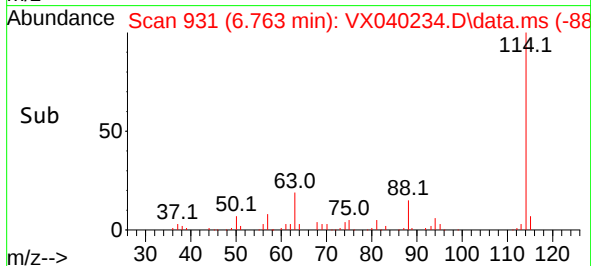
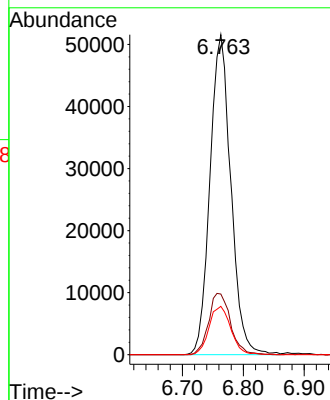
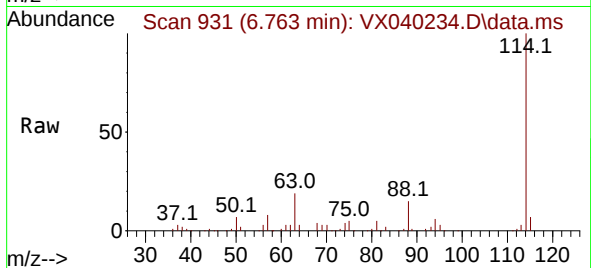
88 15.1 0.0 36.6

Manual Integrations

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Supervised By :Mahesh Dadoda 02/15/2024



#35

Dibromofluoromethane

Concen: 45.583 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX040234.D

Acq: 14 Feb 2024 20:31

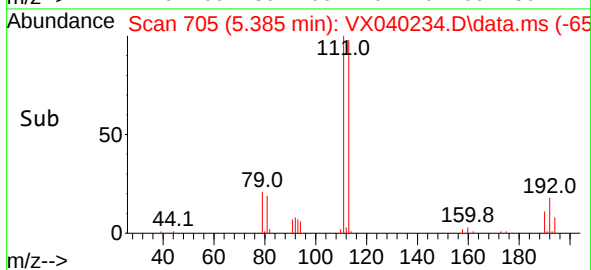
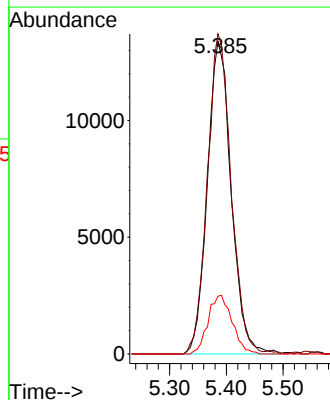
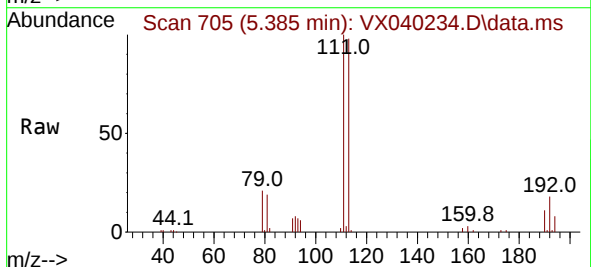
Tgt Ion:113 Resp: 39117

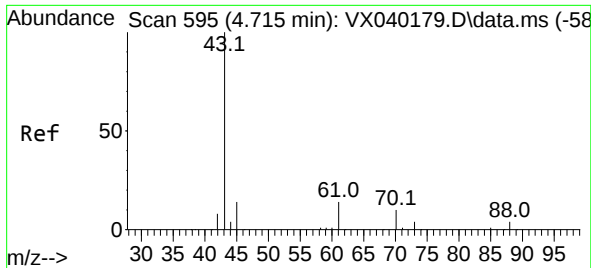
Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

192 18.9 13.3 19.9





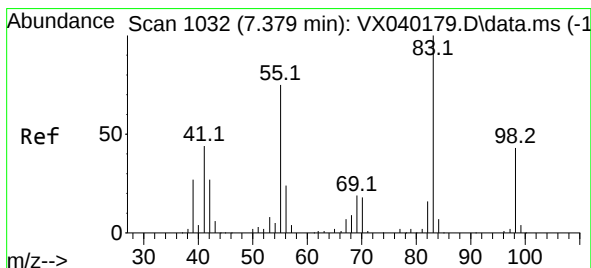
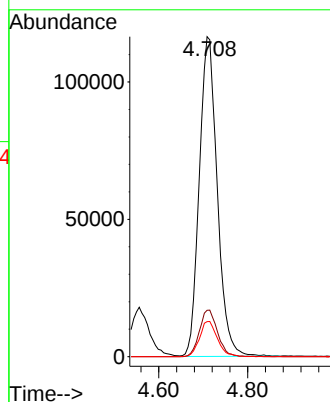
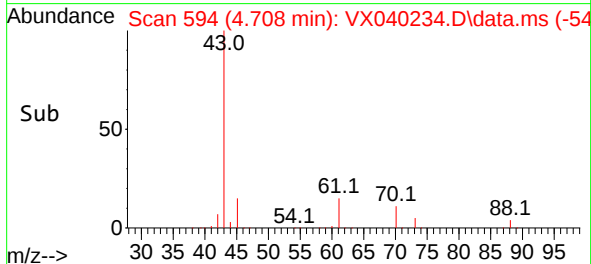
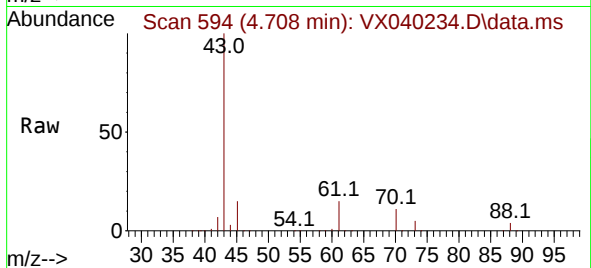
#37
Ethyl Acetate
Concen: 245.144 ug/l
RT: 4.708 min Scan# 594
Delta R.T. -0.012 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Instrument :
MSVOA_X
ClientSampleId :
50239

Tgt Ion: 43 Resp: 327904
Ion Ratio Lower Upper
43 100
61 14.7 10.6 16.0
70 11.0 8.3 12.5

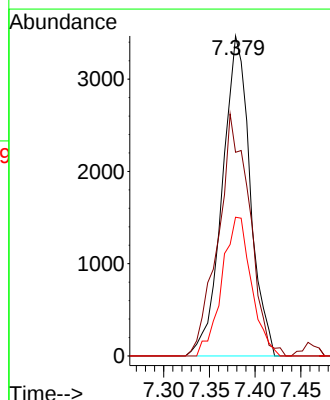
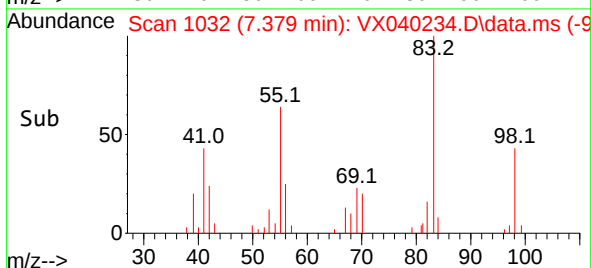
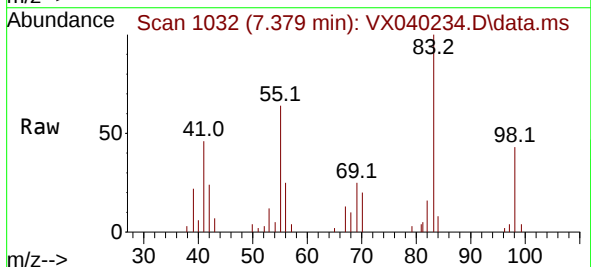
Manual Integrations
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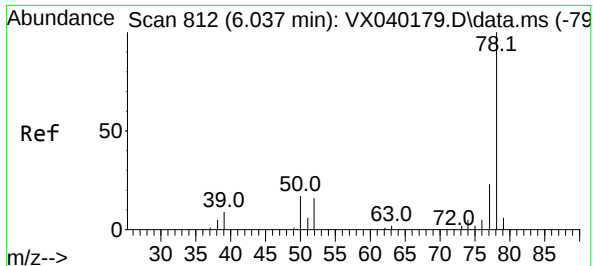
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#39
Methylcyclohexane
Concen: 5.265 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

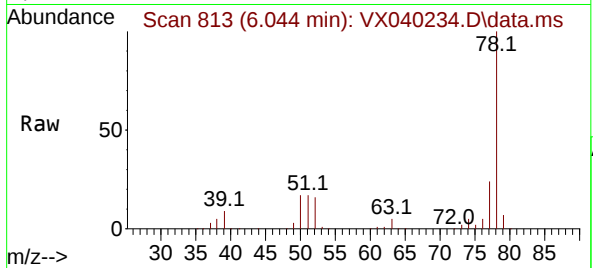
Tgt Ion: 83 Resp: 7355
Ion Ratio Lower Upper
83 100
55 63.7 64.6 97.0#
98 43.4 36.7 55.1





#40
Benzene
Concen: 1021.040 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

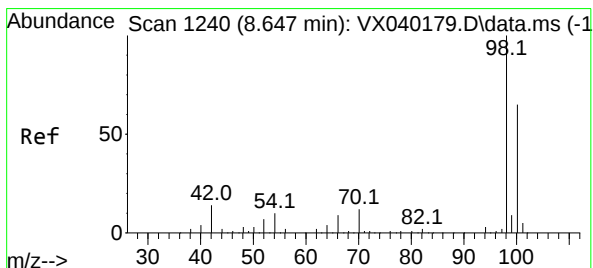
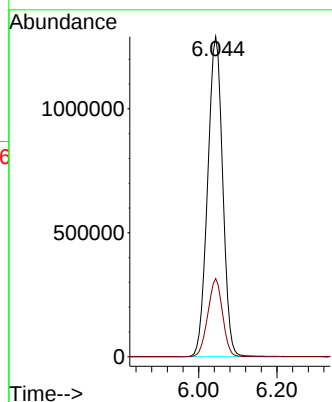
Instrument :
MSVOA_X
ClientSampleId :
50239



Tgt Ion: 78 Resp: 343239
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9

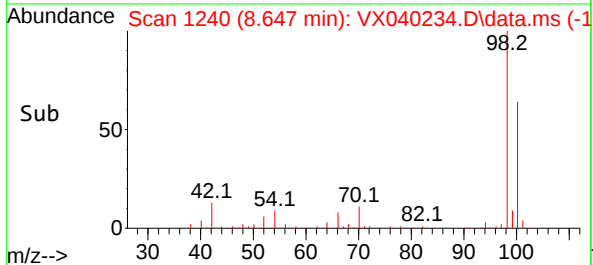
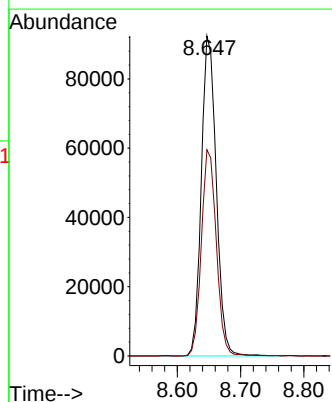
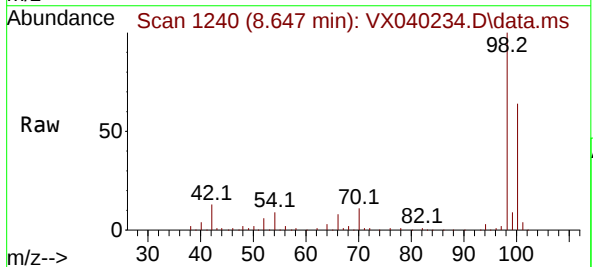
Manual Integrations
APPROVED

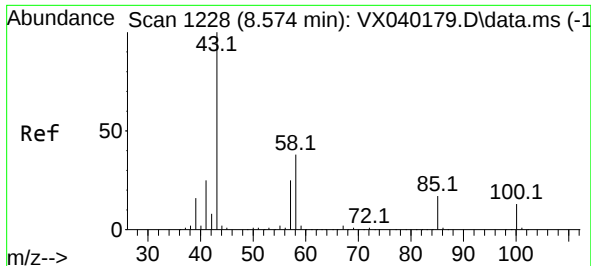
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#50
Toluene-d8
Concen: 47.335 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

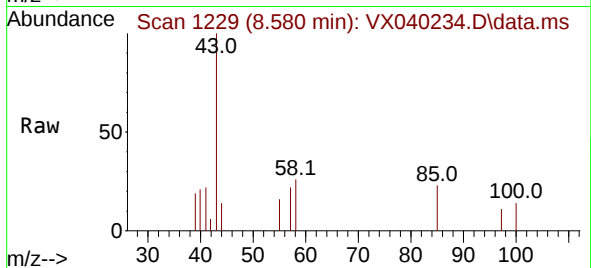
Tgt Ion: 98 Resp: 151948
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 1.204 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

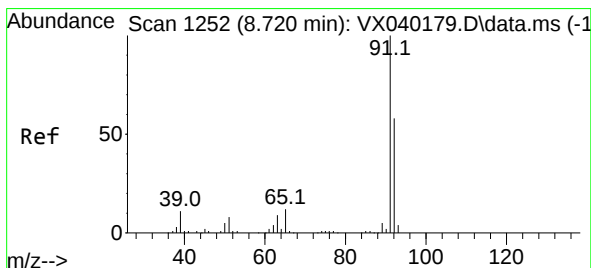
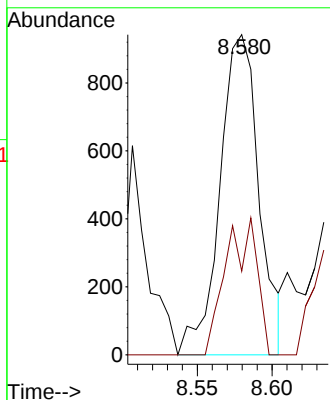
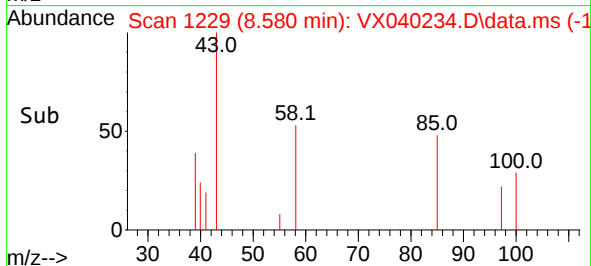
Instrument :
MSVOA_X
ClientSampleId :
50239



Tgt Ion: 43 Resp: 171
Ion Ratio Lower Upper
43 100
58 33.8 30.4 45.6

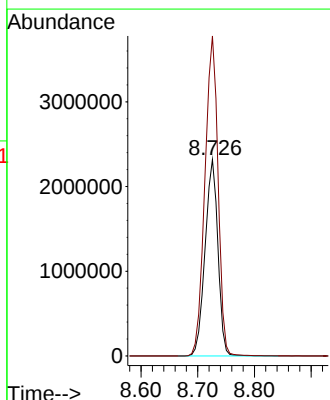
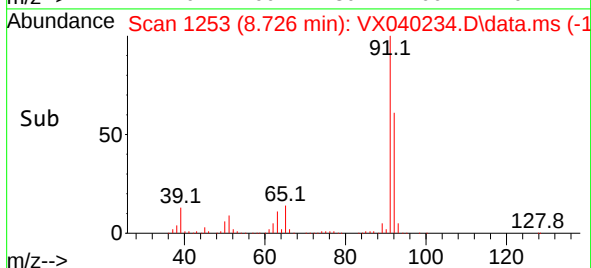
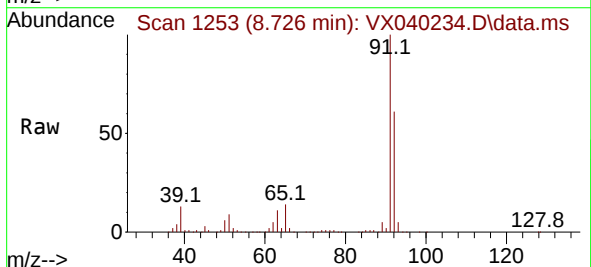
Manual Integrations
APPROVED

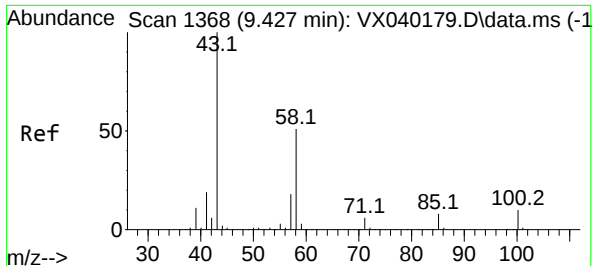
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#52
Toluene
Concen: 1656.576 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Tgt Ion: 92 Resp: 3647690
Ion Ratio Lower Upper
92 100
91 166.9 134.2 201.2





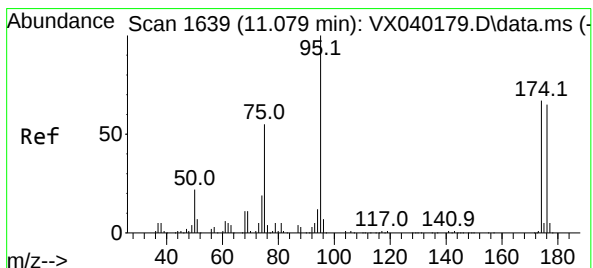
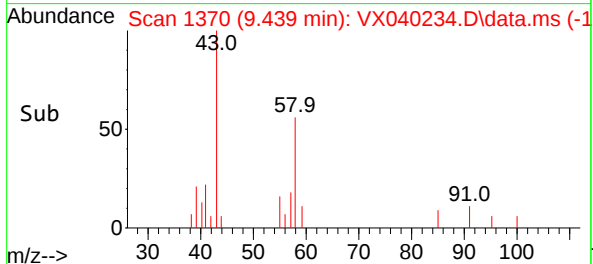
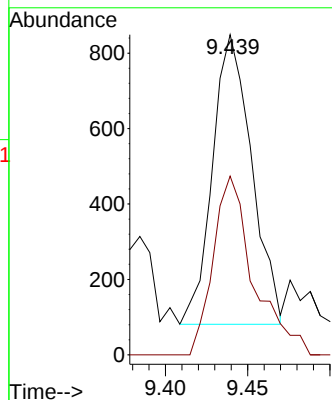
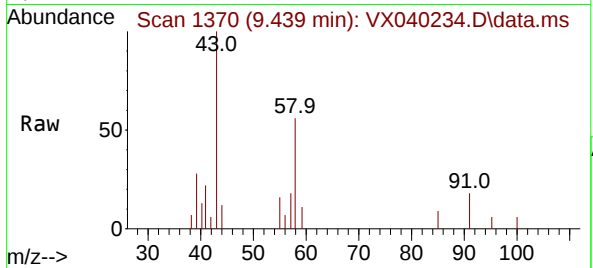
#59
2-Hexanone
Concen: 1.127 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Instrument :
MSVOA_X
ClientSampleId :
50239

Tgt Ion: 43 Resp: 1274
Ion Ratio Lower Upper
43 100
58 63.5 26.2 78.5

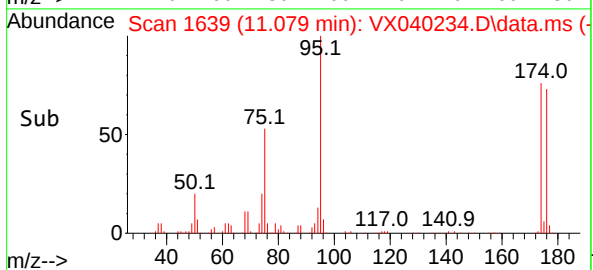
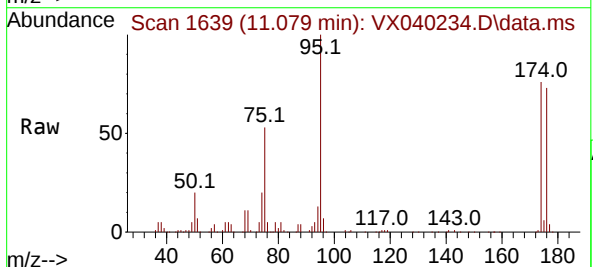
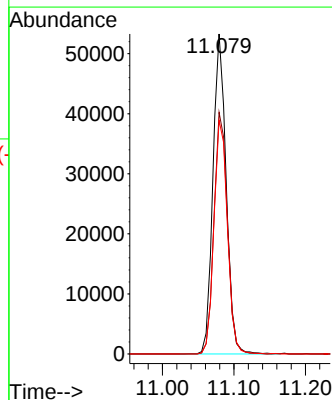
Manual Integrations
APPROVED

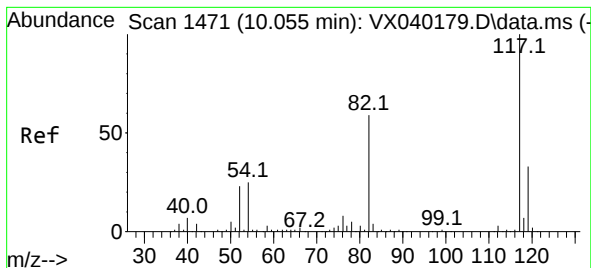
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#62
4-Bromofluorobenzene
Concen: 52.163 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Tgt Ion: 95 Resp: 68291
Ion Ratio Lower Upper
95 100
174 76.7 0.0 135.6
176 74.6 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040234.D

Acq: 14 Feb 2024 20:31

Instrument :

MSVOA_X

ClientSampleId :

50239

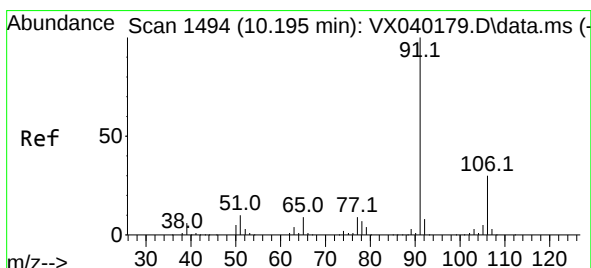
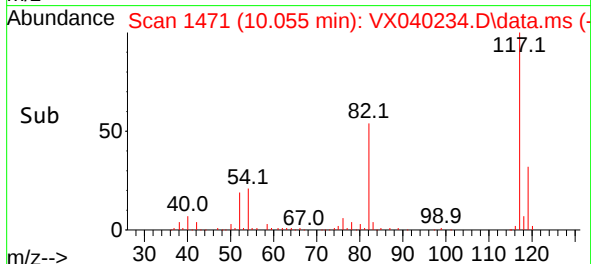
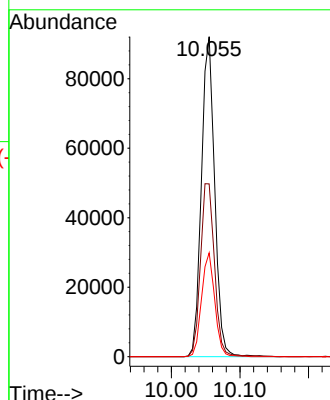
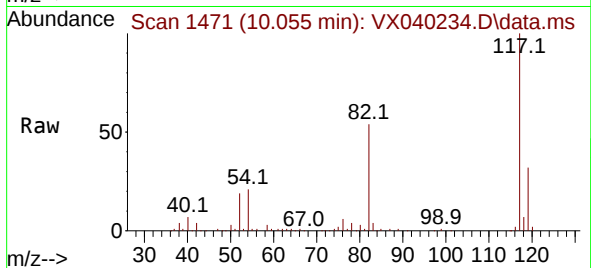
Tgt Ion:	117	Resp:	12422
Ion Ratio	Lower	Upper	
117	100		
82	54.0	46.2	69.4
119	32.4	25.5	38.3

Manual Integrations

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Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#67

Ethyl Benzene

Concen: 124.194 ug/l

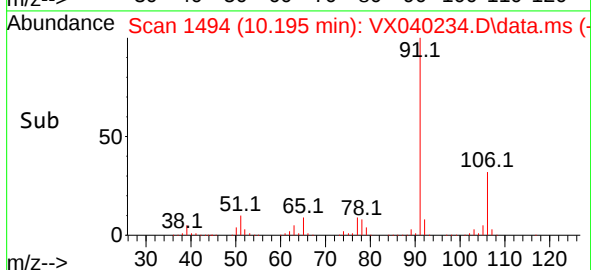
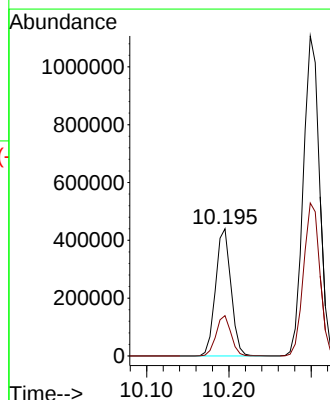
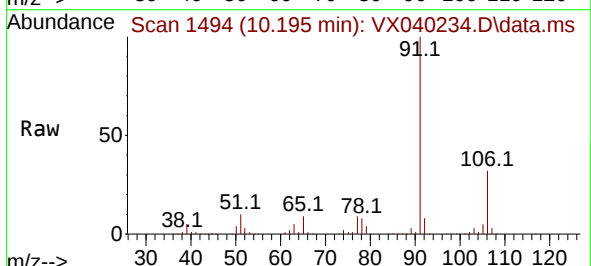
RT: 10.195 min Scan# 1494

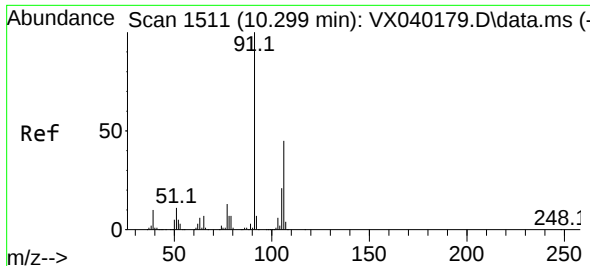
Delta R.T. 0.000 min

Lab File: VX040234.D

Acq: 14 Feb 2024 20:31

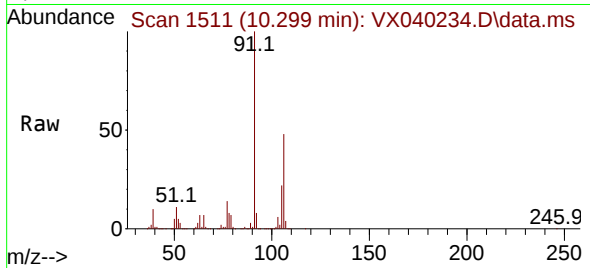
Tgt Ion:	91	Resp:	573468
Ion Ratio	Lower	Upper	
91	100		
106	31.7	24.9	37.3





#68
m/p-Xylenes
Concen: 418.768 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

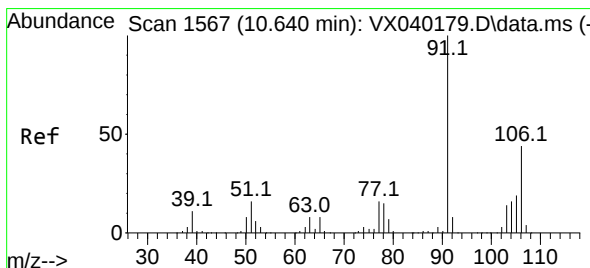
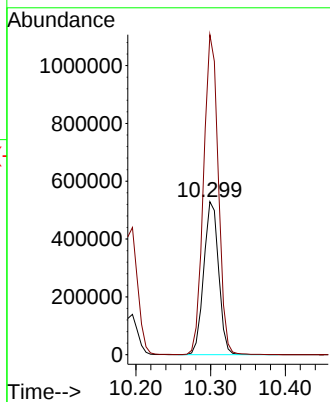
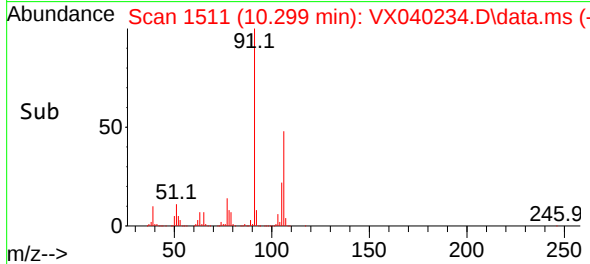
Instrument :
MSVOA_X
ClientSampleId :
50239



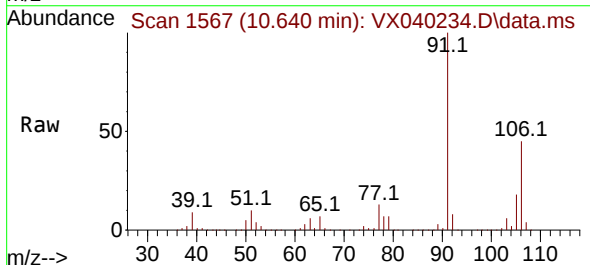
Tgt Ion:106 Resp: 730300
Ion Ratio Lower Upper
106 100
91 207.9 165.5 248.3

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APPROVED

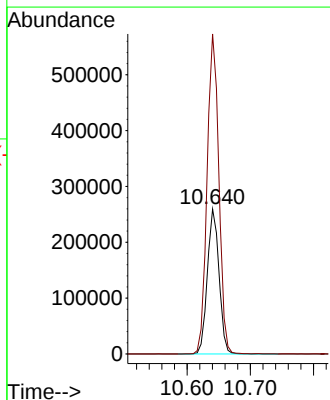
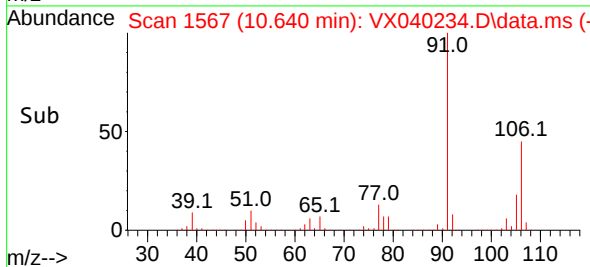
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

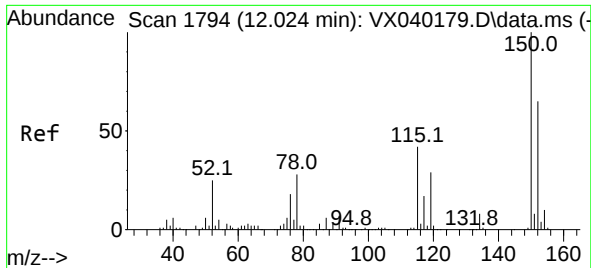


#69
o-Xylene
Concen: 196.896 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31



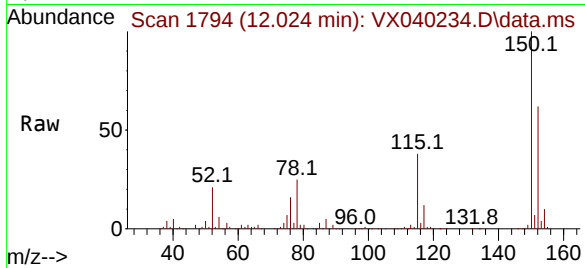
Tgt Ion:106 Resp: 333678
Ion Ratio Lower Upper
106 100
91 222.3 108.9 326.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

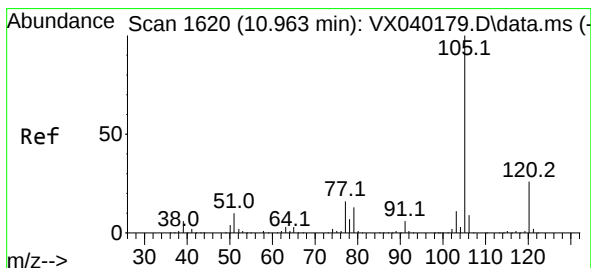
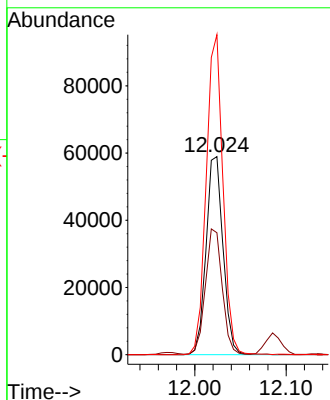
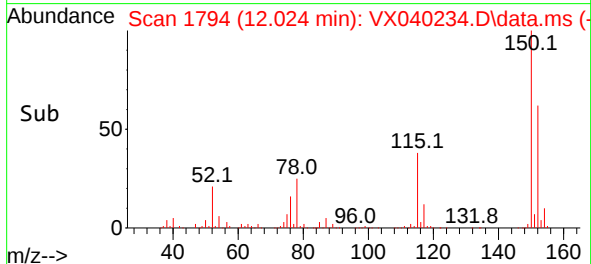
Instrument :
MSVOA_X
ClientSampleId :
50239



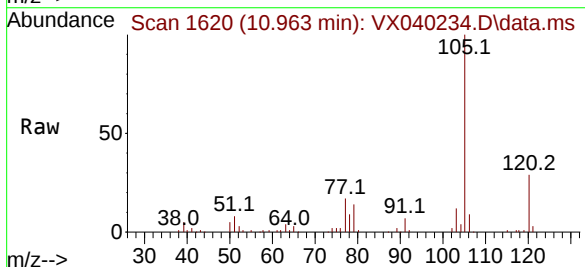
Tgt Ion:152 Resp: 76000
Ion Ratio Lower Upper
152 100
115 62.4 43.3 129.9
150 158.3 0.0 345.0

Manual Integrations
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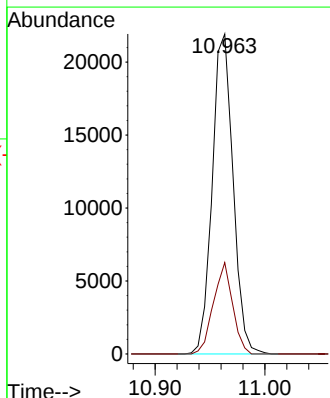
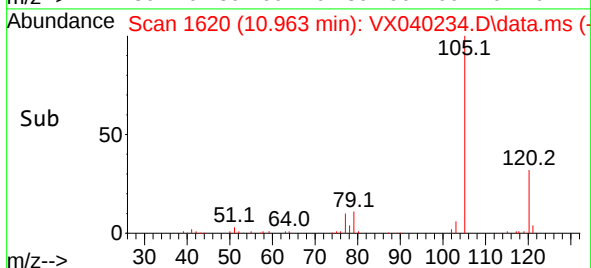
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

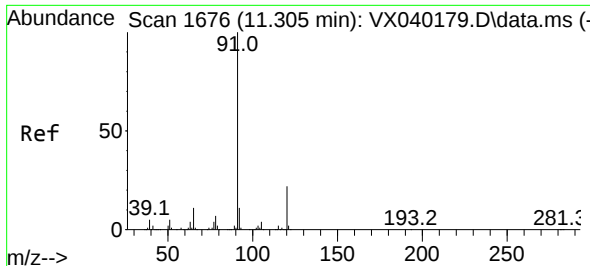


#73
Isopropylbenzene
Concen: 5.417 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31



Tgt Ion:105 Resp: 28999
Ion Ratio Lower Upper
105 100
120 26.2 12.9 38.6





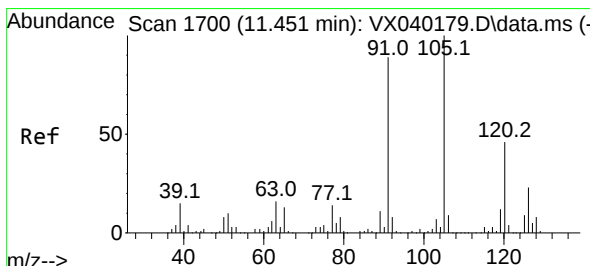
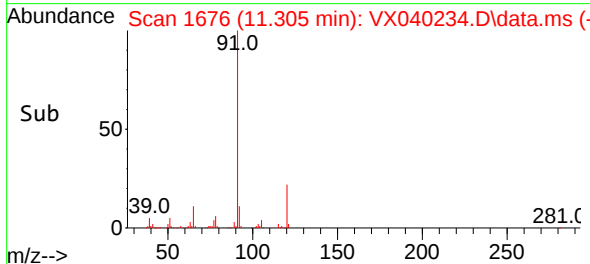
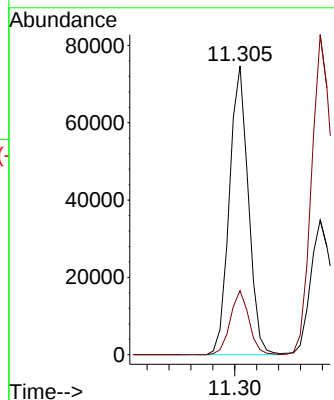
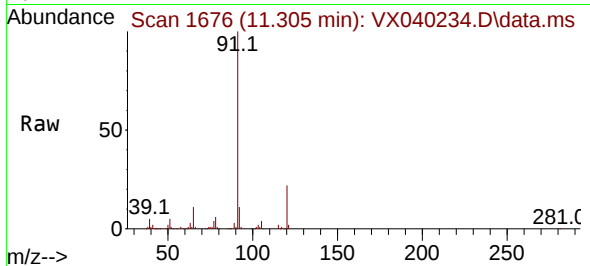
#78
n-propylbenzene
Concen: 13.845 ug/l
RT: 11.305 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Instrument :
MSVOA_X
ClientSampleId :
50239

Tgt Ion: 91 Resp: 89735
Ion Ratio Lower Upper
91 100
120 21.8 11.5 34.4

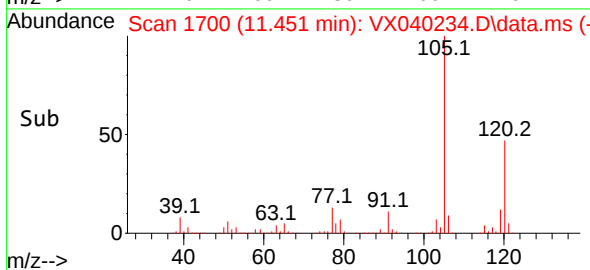
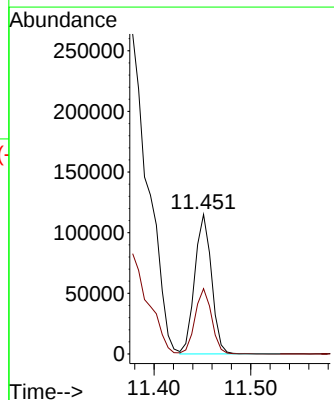
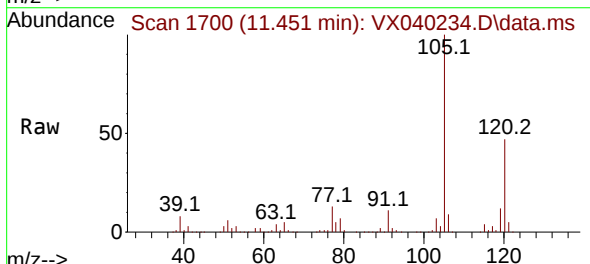
Manual Integrations
APPROVED

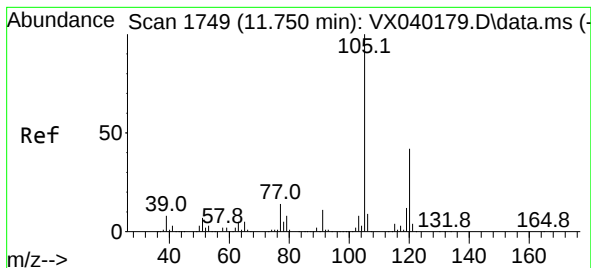
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#80
1,3,5-Trimethylbenzene
Concen: 30.760 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

Tgt Ion:105 Resp: 138632
Ion Ratio Lower Upper
105 100
120 46.2 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 131.988 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX040234.D

Acq: 14 Feb 2024 20:31

Instrument :

MSVOA_X

ClientSampleId :

50239

Tgt Ion:105 Resp: 60181

Ion Ratio Lower Upper

105 100

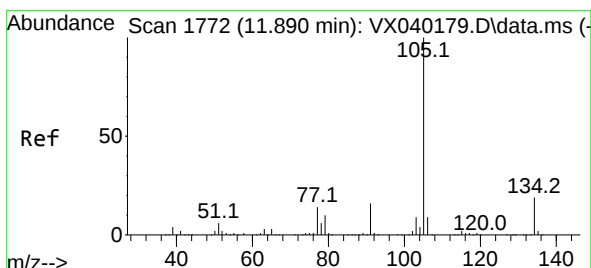
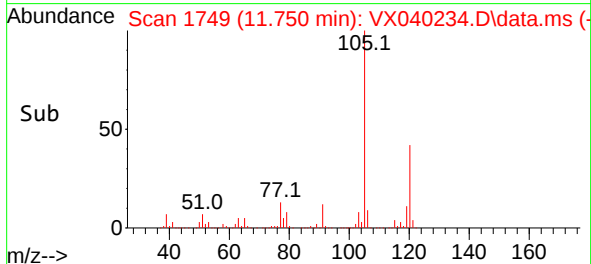
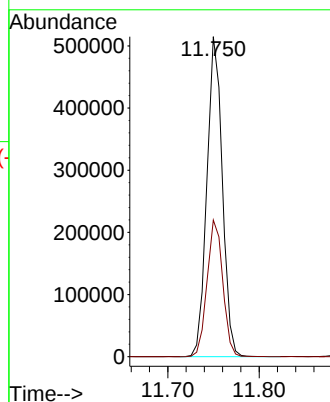
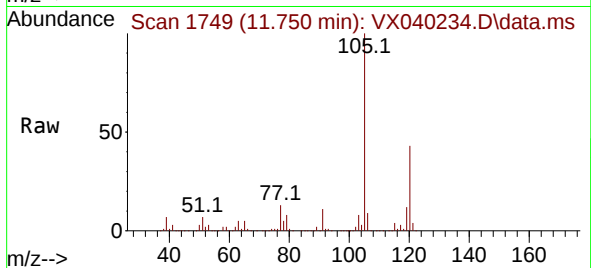
120 43.5 21.2 63.6

Manual Integrations

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Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#85

sec-Butylbenzene

Concen: 1.030 ug/l m

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX040234.D

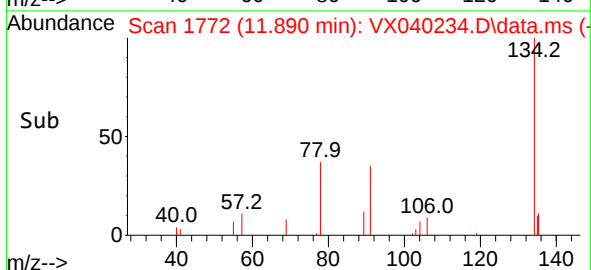
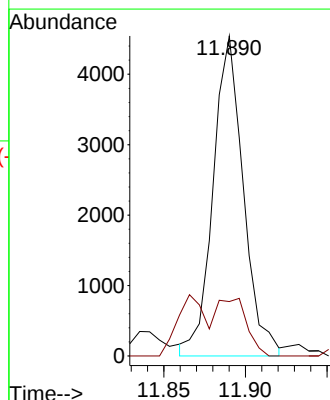
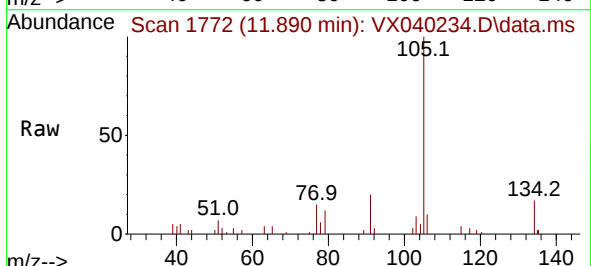
Acq: 14 Feb 2024 20:31

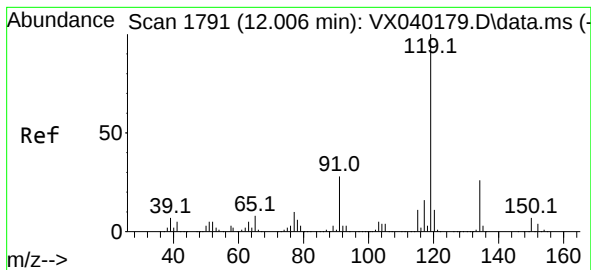
Tgt Ion:105 Resp: 5850

Ion Ratio Lower Upper

105 100

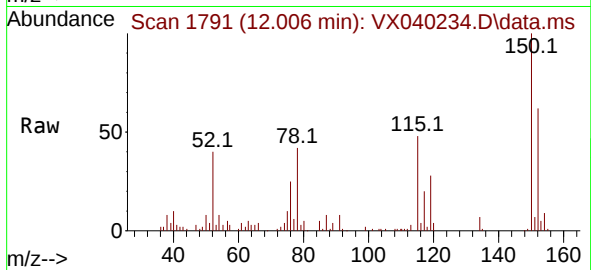
134 0.0 9.8 29.4#





#86
p-Isopropyltoluene
Concen: 0.935 ug/l m
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31

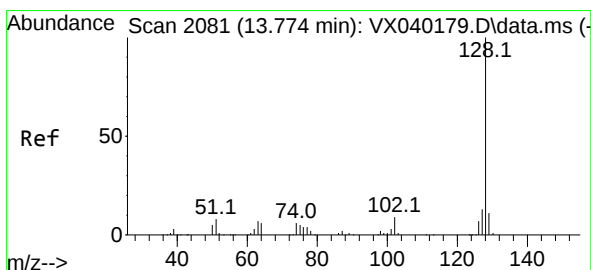
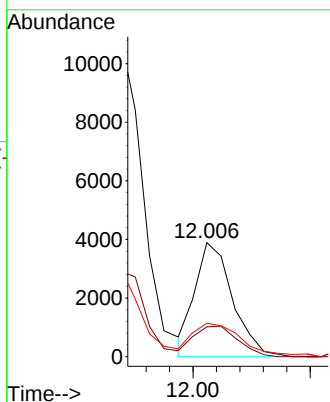
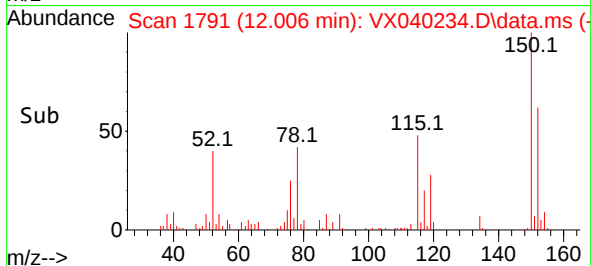
Instrument :
MSVOA_X
ClientSampleId :
50239



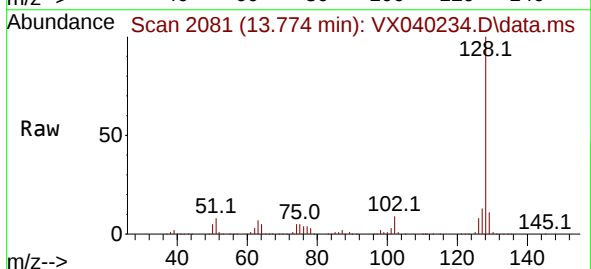
Tgt Ion:119 Resp: 4350
Ion Ratio Lower Upper
119 100
134 82.1 12.8 38.3
91 81.3 13.1 39.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#95
Naphthalene
Concen: 26.774 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX040234.D
Acq: 14 Feb 2024 20:31



Tgt Ion:128 Resp: 140403
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.4 8.8 13.2

