

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020723\
 Data File : VX034050.D
 Acq On : 07 Feb 2023 00:03
 Operator : JC/MD
 Sample : 01415-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10-0202

Quant Time: Feb 07 02:52:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/07/2023
 Supervised By : Mahesh Dadoda 02/07/2023

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	138075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191988	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65611	49.290	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.580%		
35) Dibromofluoromethane	5.385	113	60563	49.566	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.140%		
50) Toluene-d8	8.646	98	222674	50.581	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.160%		
62) 4-Bromofluorobenzene	11.079	95	83660	53.208	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.420%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	36201	194.116	ug/l #	84
16) Acetone	2.373	43	132573	235.807	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	235305	67.497	ug/l	97
25) 2-Butanone	4.556	43	19842	24.238	ug/l	98
31) Cyclohexane	5.470	56	15845	8.174	ug/l	86
39) Methylcyclohexane	7.378	83	7552	3.581	ug/l	89
40) Benzene	6.037	78	18213	3.757	ug/l	98
42) 1,2-Dichloroethane	6.092	62	853	0.518	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	13336	8.736	ug/l	100
52) Toluene	8.720	92	9019	2.871	ug/l	99
59) 2-Hexanone	9.433	43	2335	2.090	ug/l	92
67) Ethyl Benzene	10.195	91	1807633	294.157	ug/l	99
68) m/p-Xylenes	10.305	106	383782	156.242	ug/l	99
69) o-Xylene	10.640	106	58481	24.790	ug/l	99
73) Isopropylbenzene	10.963	105	108938	18.056	ug/l	99
78) n-propylbenzene	11.304	91	217487	32.602	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	2514302	501.131	ug/l	98
85) sec-Butylbenzene	11.890	105	16458m	2.651	ug/l	
86) p-Isopropyltoluene	12.012	119	15818	2.905	ug/l #	79
89) n-Butylbenzene	12.329	91	22960	5.379	ug/l #	64
95) Naphthalene	13.774	128	613319	105.524	ug/l	99

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

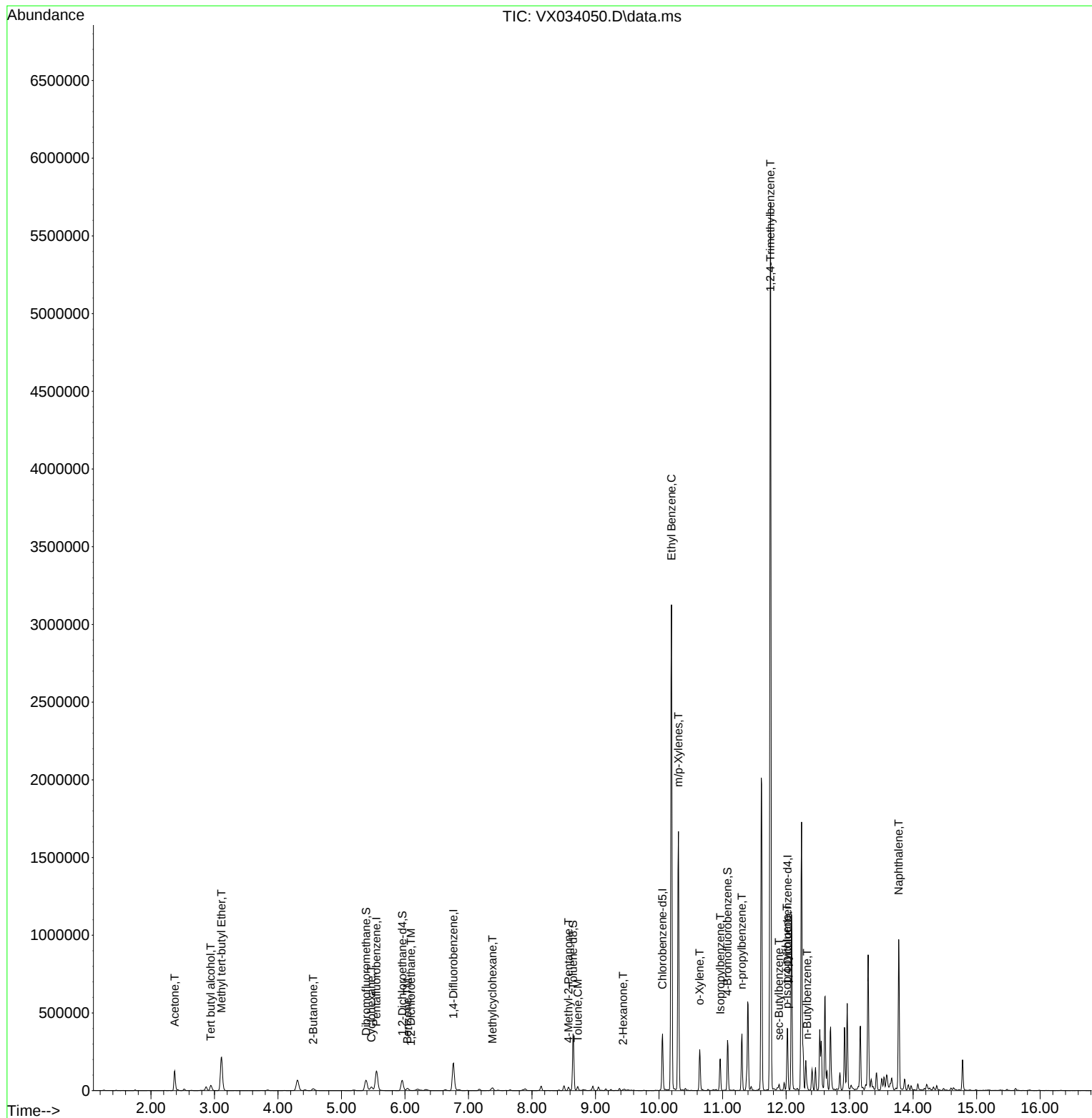
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020723\
Data File : VX034050.D
Acq On : 07 Feb 2023 00:03
Operator : JC/MD
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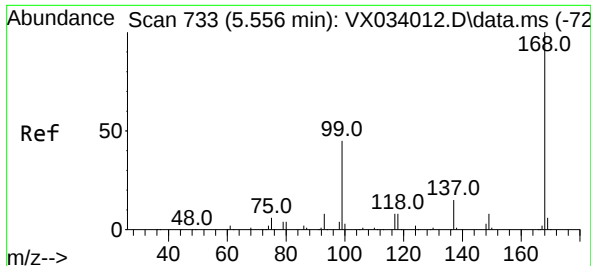
Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202

Quant Time: Feb 07 02:52:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 03 23:25:45 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

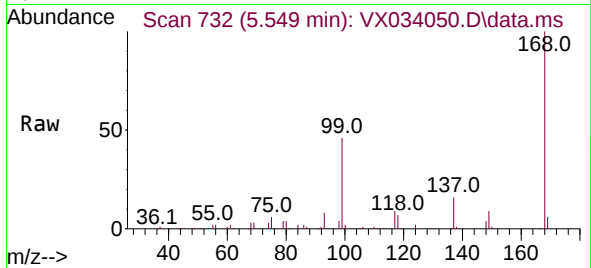
Reviewed By : John Carlone 02/07/2023
Supervised By : Mahesh Dadoda 02/07/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

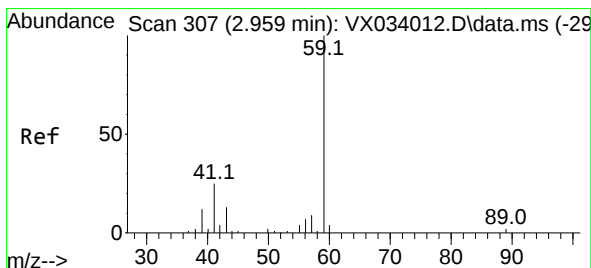
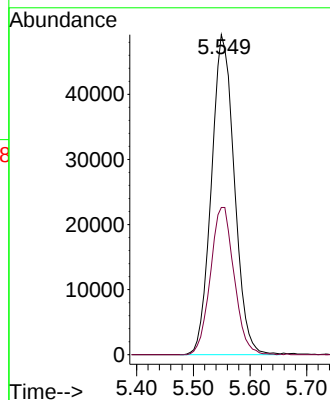
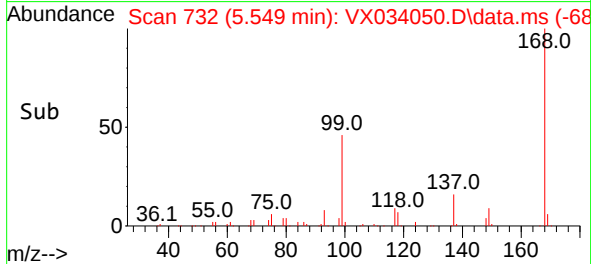
Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202



Tgt Ion:168 Resp: 138075
Ion Ratio Lower Upper
168 100
99 46.0 39.6 59.4

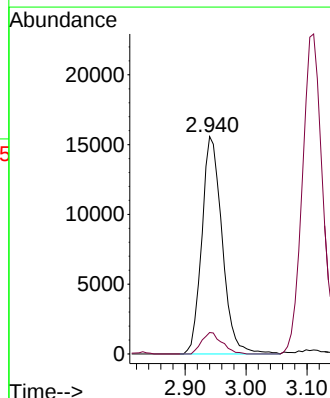
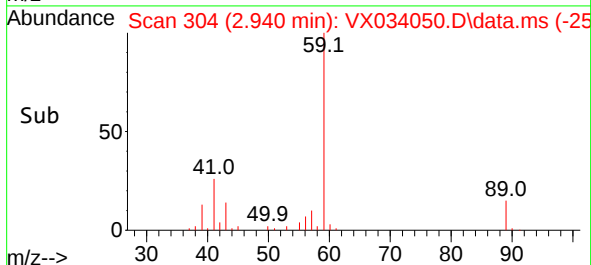
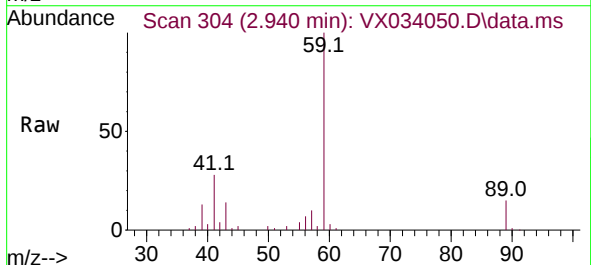
Manual Integrations
APPROVED

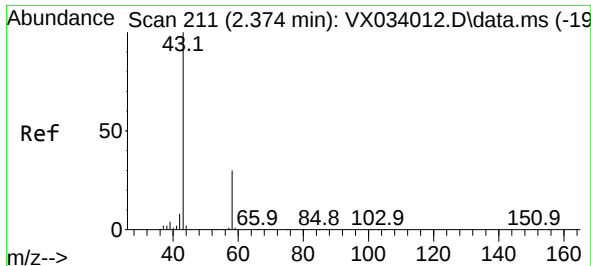
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#11
Tert butyl alcohol
Concen: 194.116 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.019 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

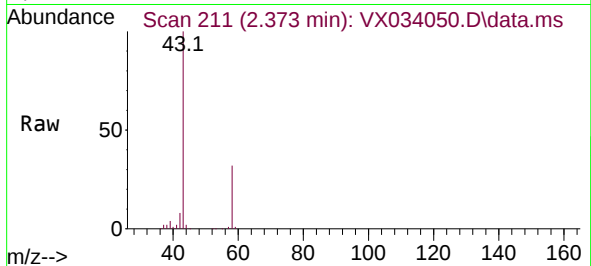
Tgt Ion: 59 Resp: 36201
Ion Ratio Lower Upper
59 100
57 9.8 3.7 5.5#





#16
Acetone
Concen: 235.807 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

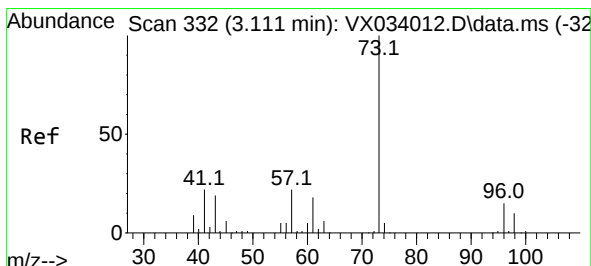
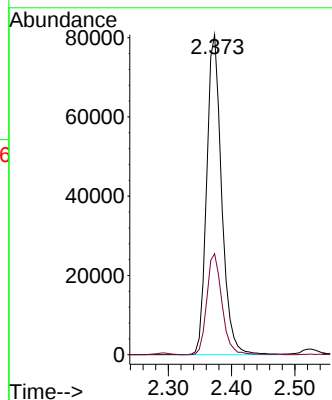
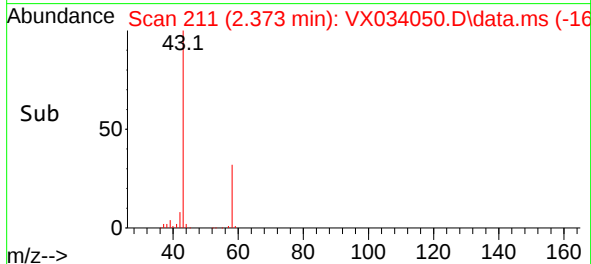
Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202



Tgt Ion: 43 Resp: 132573
Ion Ratio Lower Upper
43 100
58 31.6 22.6 33.8

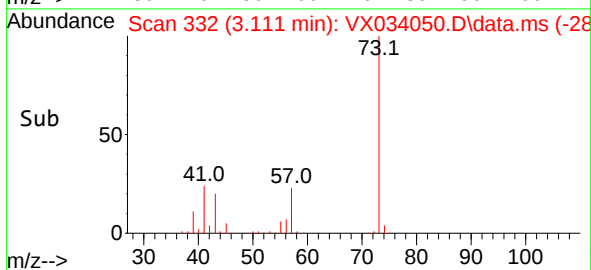
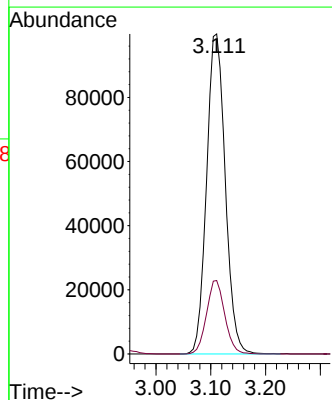
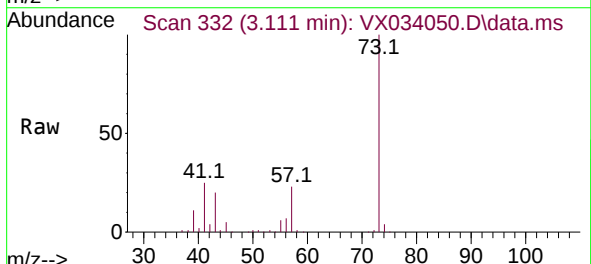
Manual Integrations
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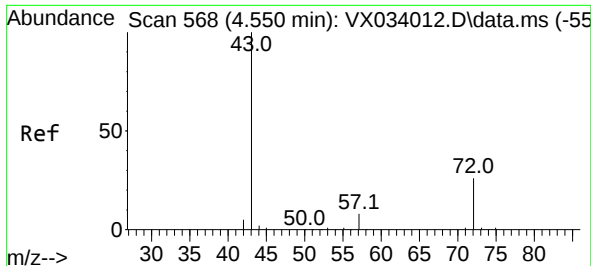
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#19
Methyl tert-butyl Ether
Concen: 67.497 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

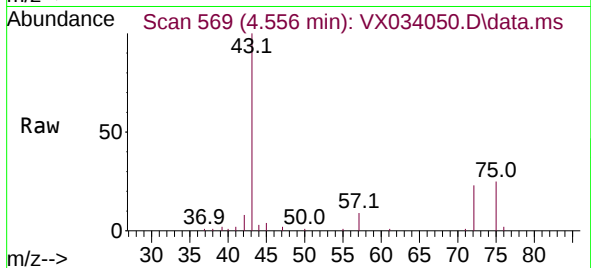
Tgt Ion: 73 Resp: 235305
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.0





#25
2-Butanone
Concen: 24.238 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

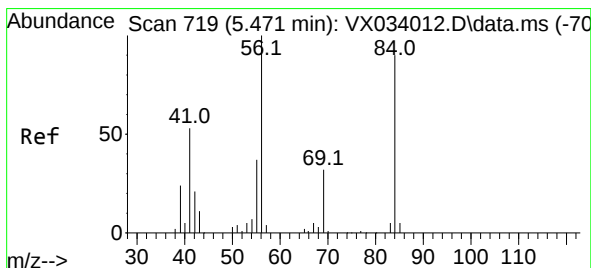
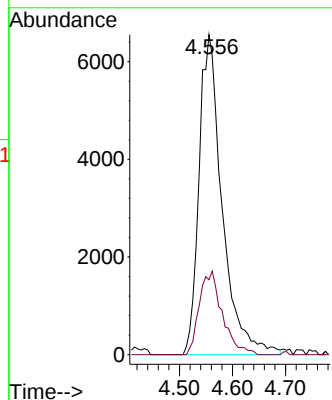
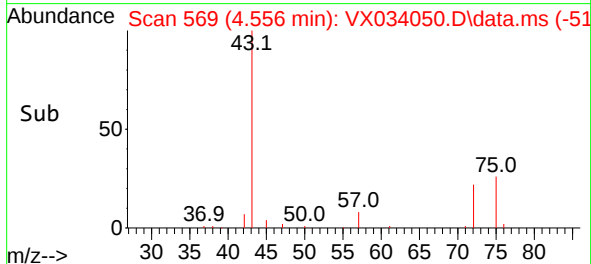
Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202



Tgt Ion: 43 Resp: 1984
Ion Ratio Lower Upper
43 100
72 23.4 19.4 29.2

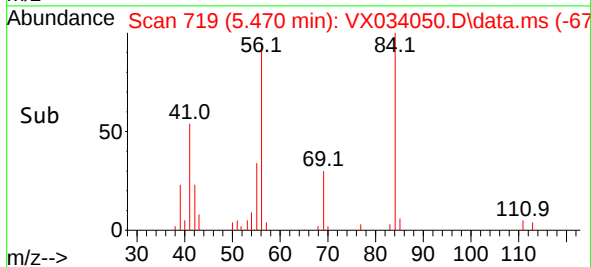
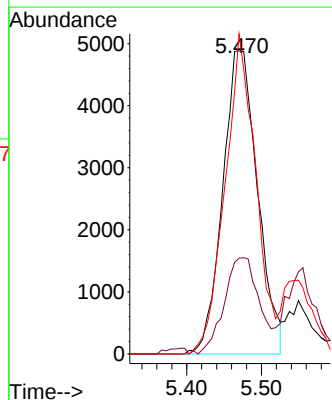
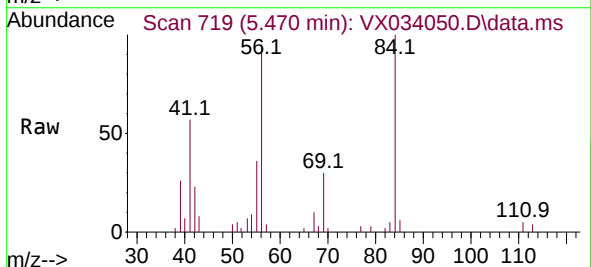
Manual Integrations
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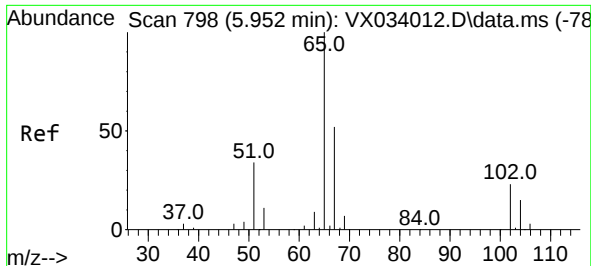
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#31
Cyclohexane
Concen: 8.174 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Tgt Ion: 56 Resp: 15845
Ion Ratio Lower Upper
56 100
69 29.7 24.6 37.0
84 105.6 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 49.290 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034050.D

Acq: 07 Feb 2023 00:03

Instrument :

MSVOA_X

ClientSampleId :

MW-10-0202

Tgt Ion: 65 Resp: 6561

Ion Ratio Lower Upper

65 100

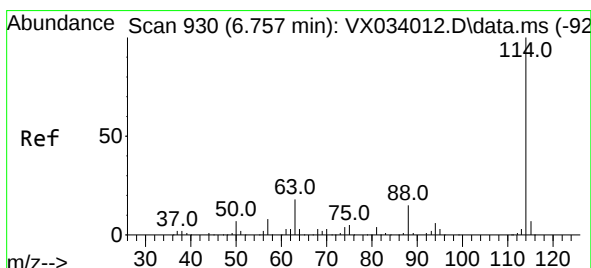
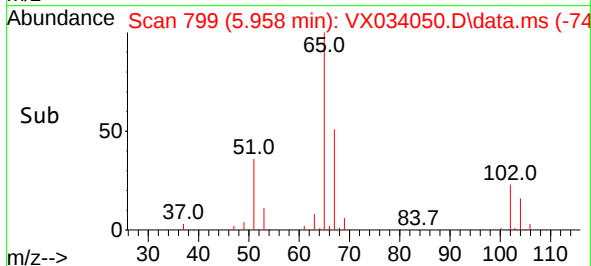
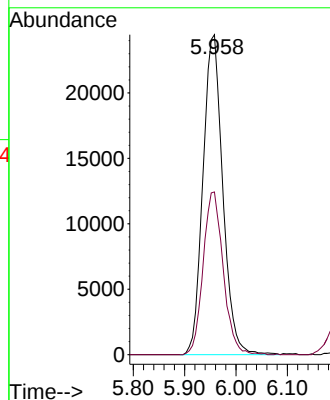
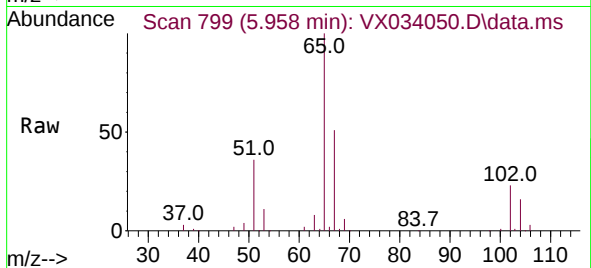
67 51.5 0.0 104.8

Manual Integrations

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Reviewed By :John Carlone 02/07/2023

Supervised By :Mahesh Dadoda 02/07/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034050.D

Acq: 07 Feb 2023 00:03

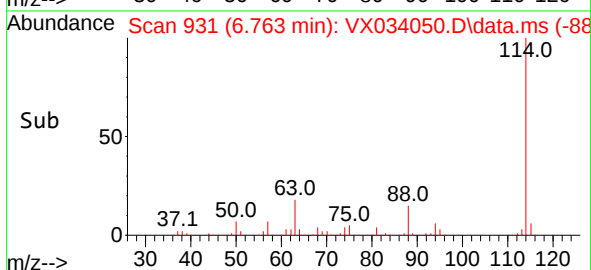
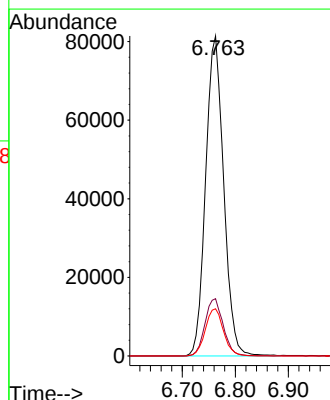
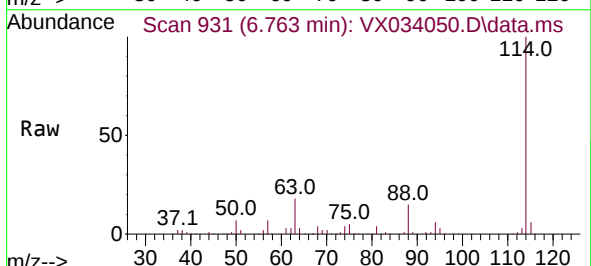
Tgt Ion:114 Resp: 191988

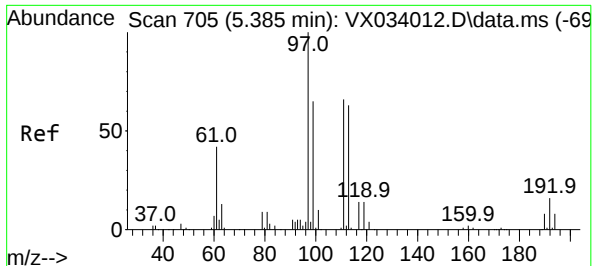
Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.4

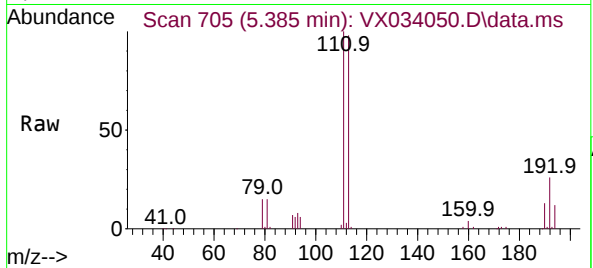
88 14.8 0.0 30.6





#35
Dibromofluoromethane
Concen: 49.566 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

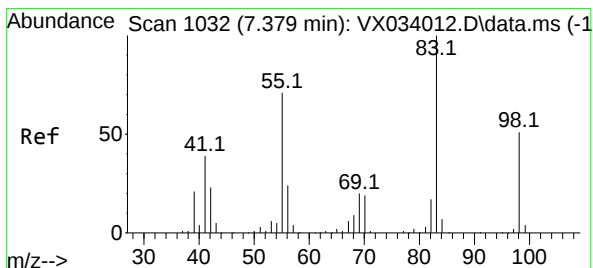
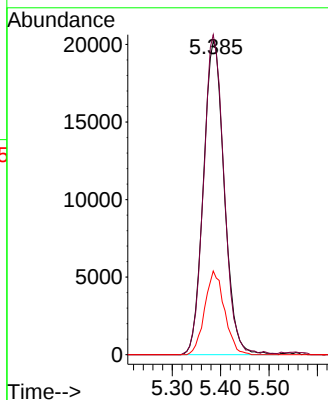
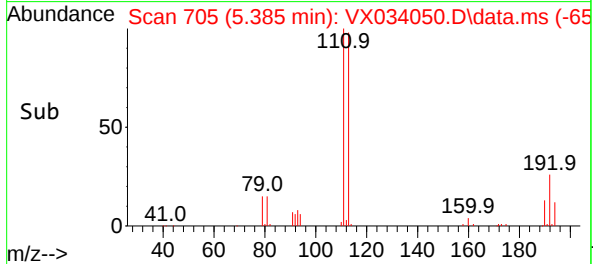
Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202



Tgt Ion: 113 Resp: 6056
Ion Ratio Lower Upper
113 100
111 100.0 83.0 124.6
192 25.2 19.0 28.4

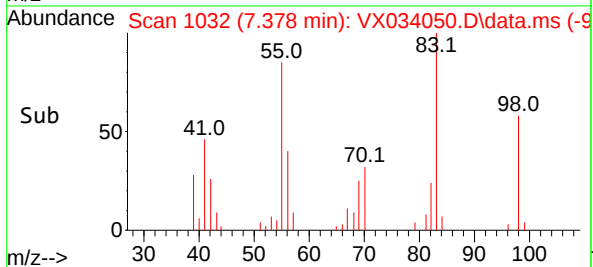
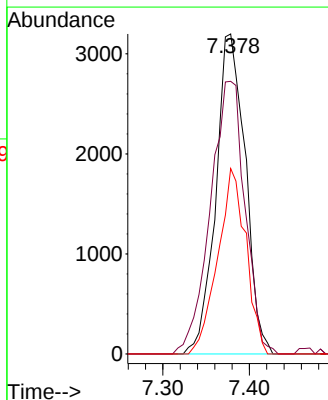
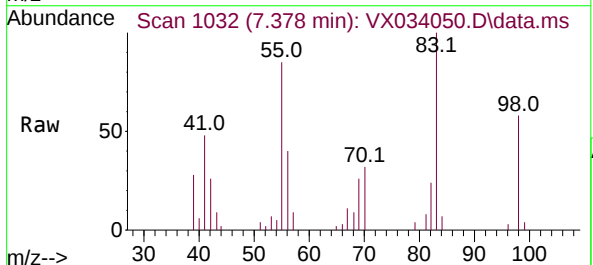
Manual Integrations
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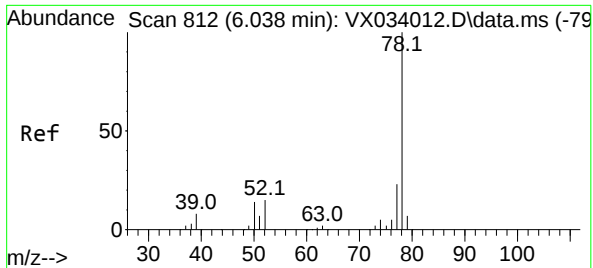
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#39
Methylcyclohexane
Concen: 3.581 ug/l
RT: 7.378 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Tgt Ion: 83 Resp: 7552
Ion Ratio Lower Upper
83 100
55 85.2 61.8 92.6
98 58.0 39.3 58.9





#40

Benzene

Concen: 3.757 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX034050.D

Acq: 07 Feb 2023 00:03

Instrument :

MSVOA_X

ClientSampleId :

MW-10-0202

Tgt Ion: 78 Resp: 1821

Ion Ratio Lower Upper

78 100

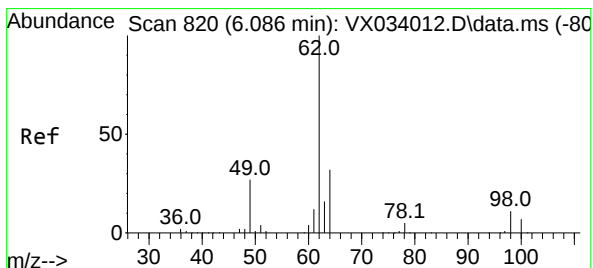
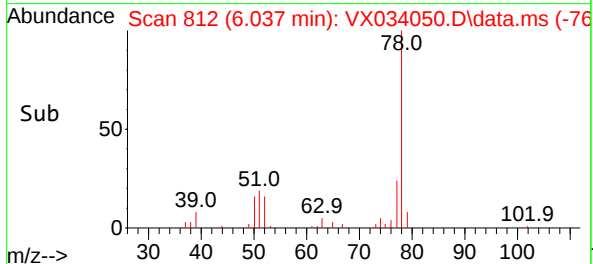
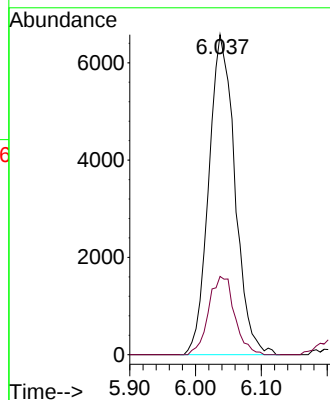
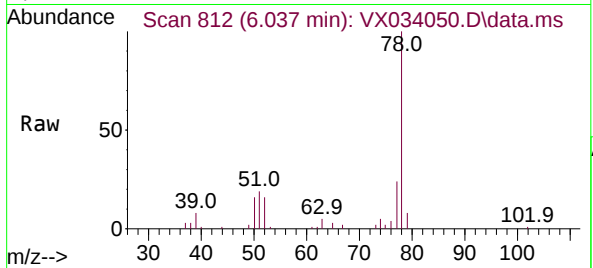
77 24.5 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/07/2023

Supervised By :Mahesh Dadoda 02/07/2023



#42

1,2-Dichloroethane

Concen: 0.518 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX034050.D

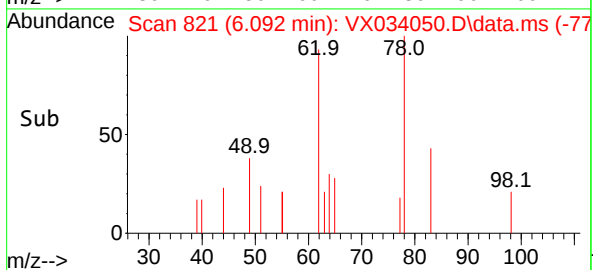
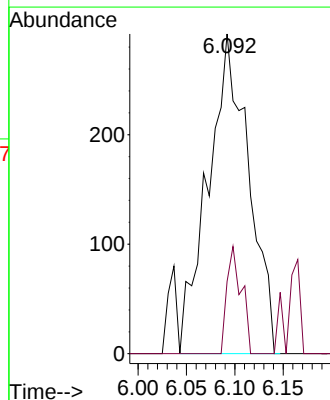
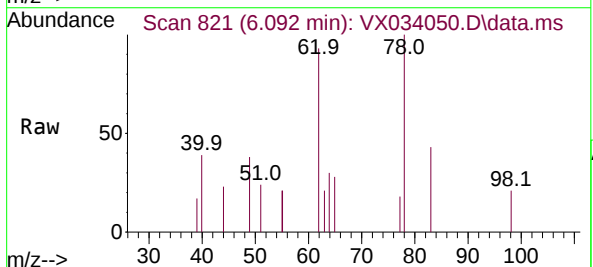
Acq: 07 Feb 2023 00:03

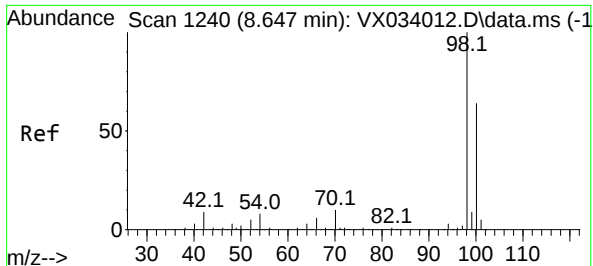
Tgt Ion: 62 Resp: 853

Ion Ratio Lower Upper

62 100

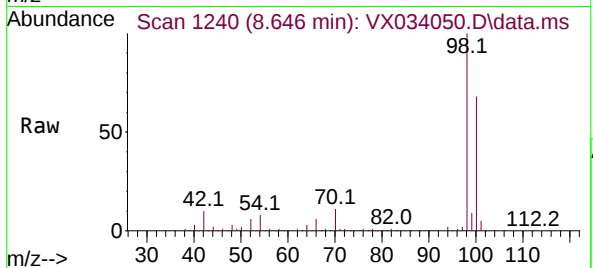
98 12.0 0.0 20.2





#50
Toluene-d8
Concen: 50.581 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

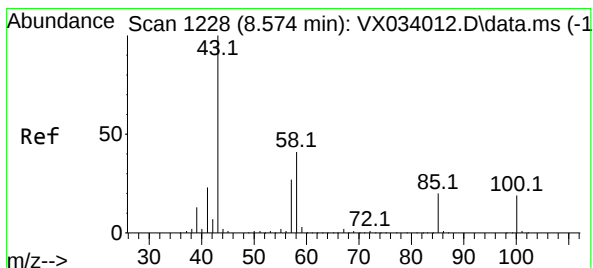
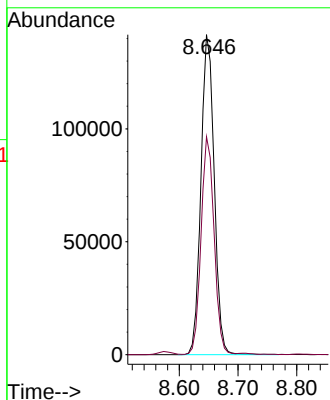
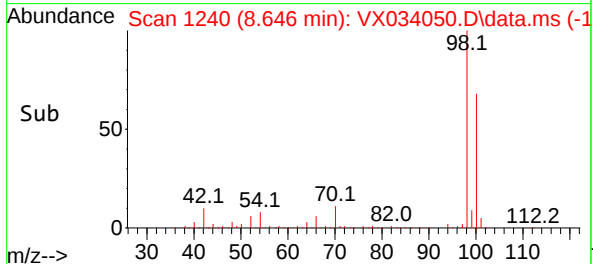
Instrument :
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MW-10-0202



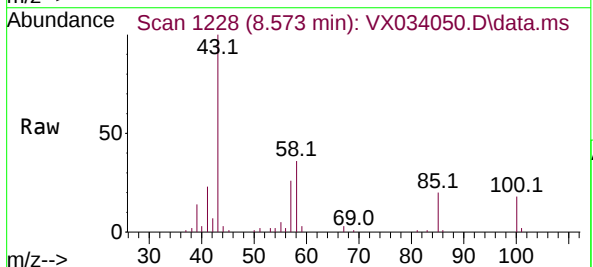
Tgt Ion: 98 Resp: 222674
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4

Manual Integrations
APPROVED

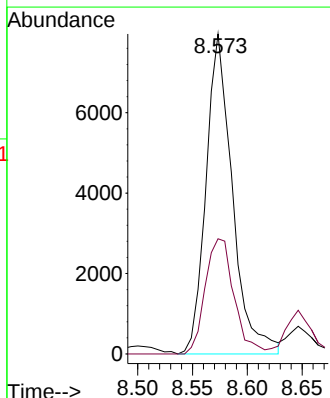
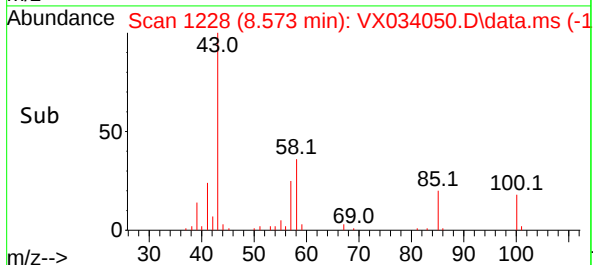
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023

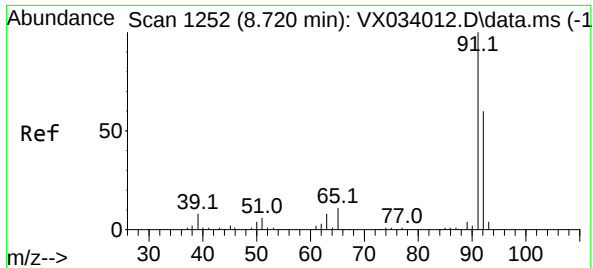


#51
4-Methyl-2-Pentanone
Concen: 8.736 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03



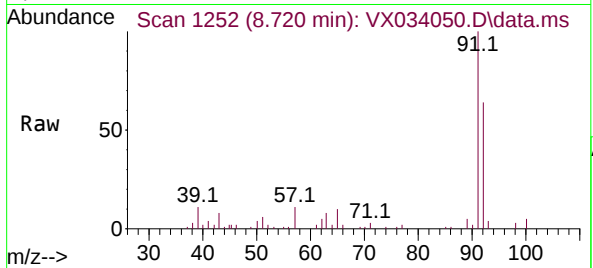
Tgt Ion: 43 Resp: 13336
Ion Ratio Lower Upper
43 100
58 39.1 31.2 46.8





#52
Toluene
Concen: 2.871 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

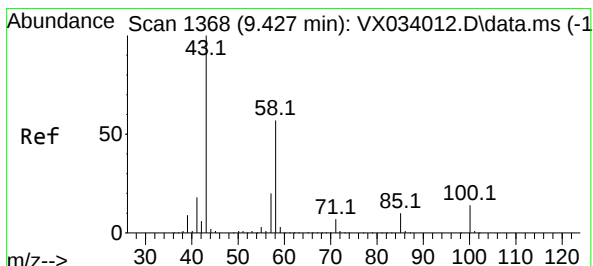
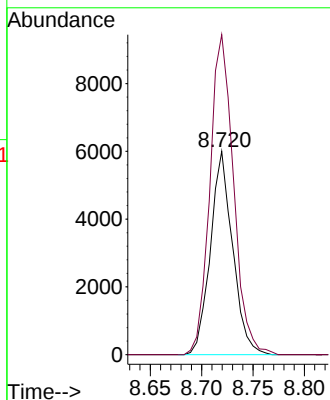
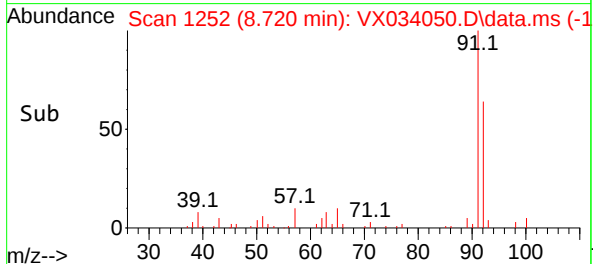
Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202



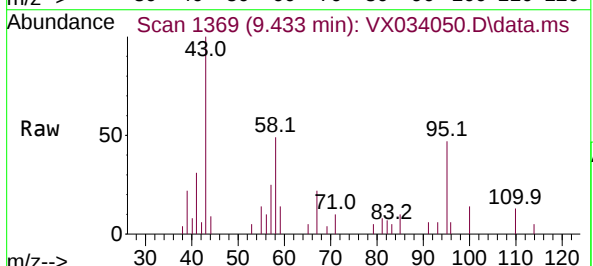
Tgt Ion: 92 Resp: 9019
Ion Ratio Lower Upper
92 100
91 167.4 135.5 203.3

Manual Integrations
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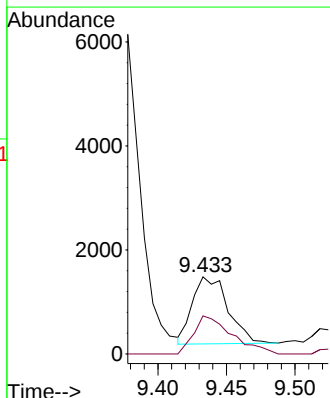
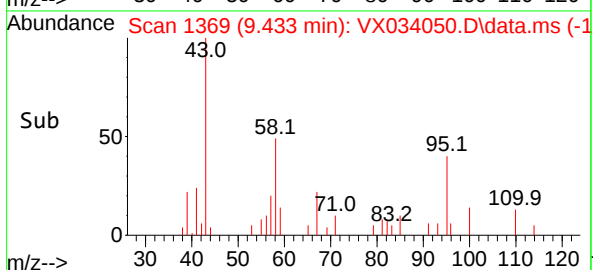
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023

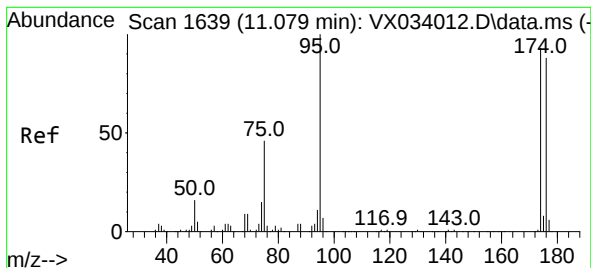


#59
2-Hexanone
Concen: 2.090 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03



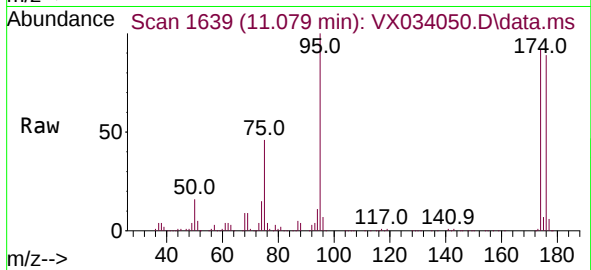
Tgt Ion: 43 Resp: 2335
Ion Ratio Lower Upper
43 100
58 60.6 27.4 82.0





#62
4-Bromofluorobenzene
Concen: 53.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

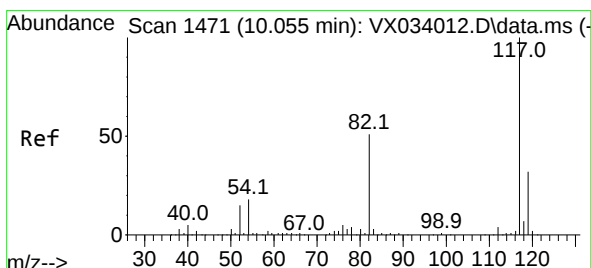
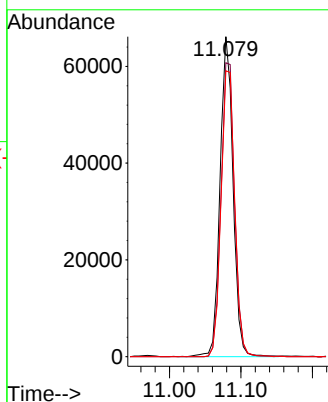
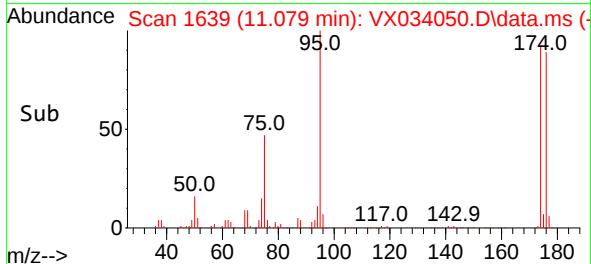
Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202



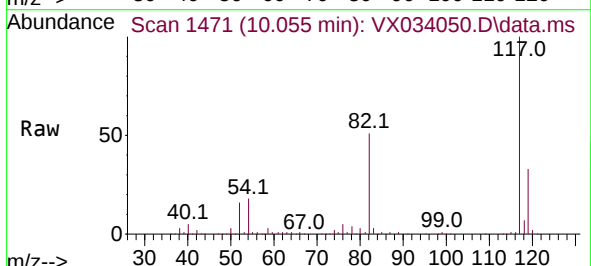
Tgt Ion: 95 Resp: 83660
Ion Ratio Lower Upper
95 100
174 95.6 0.0 184.4
176 93.7 0.0 178.8

Manual Integrations
APPROVED

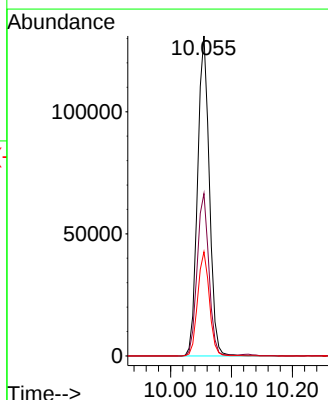
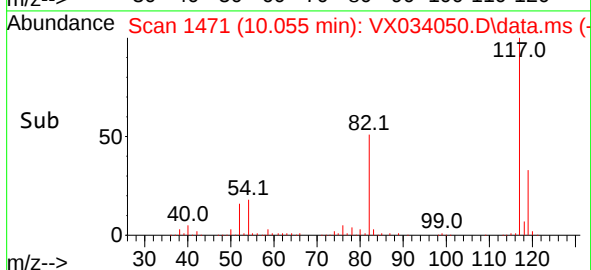
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023

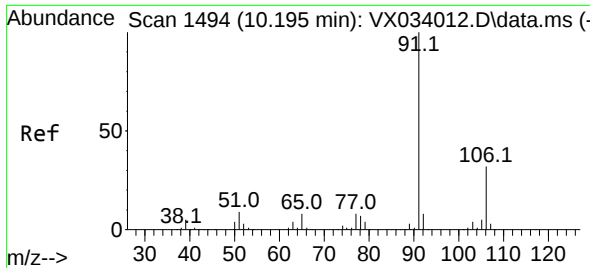


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03



Tgt Ion:117 Resp: 175793
Ion Ratio Lower Upper
117 100
82 50.8 40.6 60.8
119 32.5 25.6 38.4





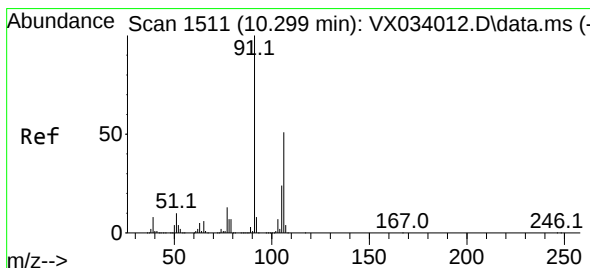
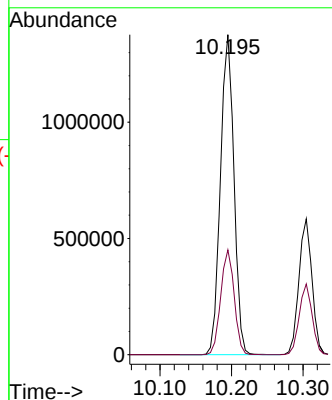
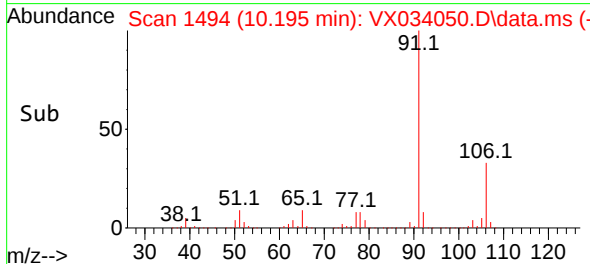
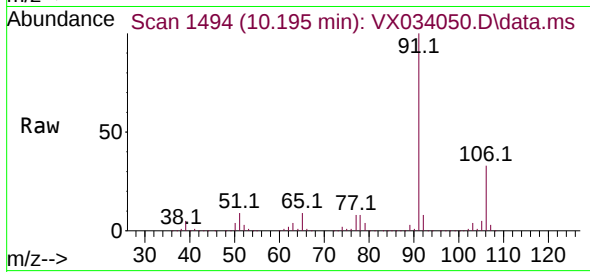
#67
Ethyl Benzene
Concen: 294.157 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202

Tgt Ion: 91 Resp: 180763
Ion Ratio Lower Upper
91 100
106 32.8 25.8 38.8

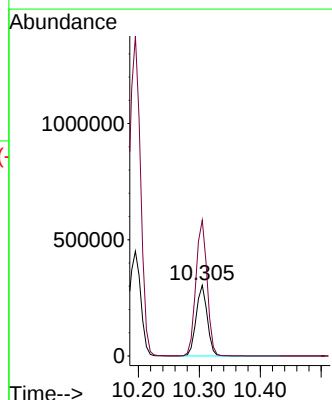
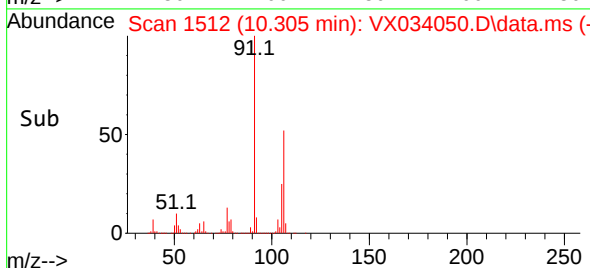
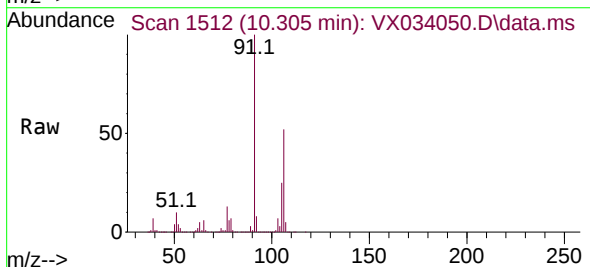
Manual Integrations
APPROVED

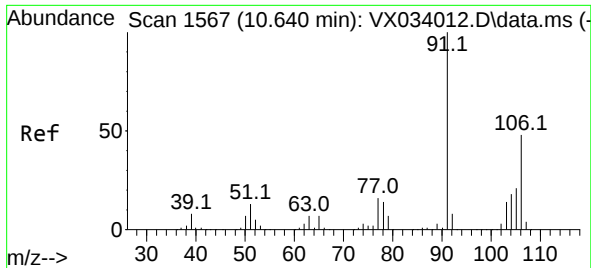
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#68
m/p-Xylenes
Concen: 156.242 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Tgt Ion:106 Resp: 383782
Ion Ratio Lower Upper
106 100
91 194.4 156.4 234.6





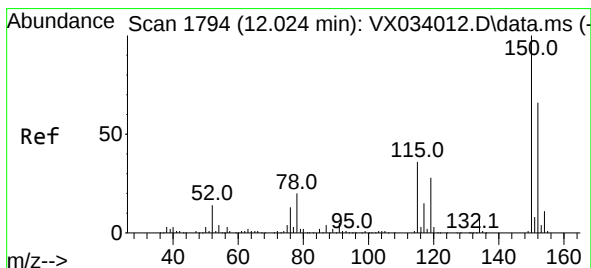
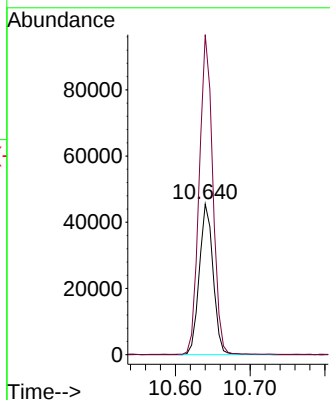
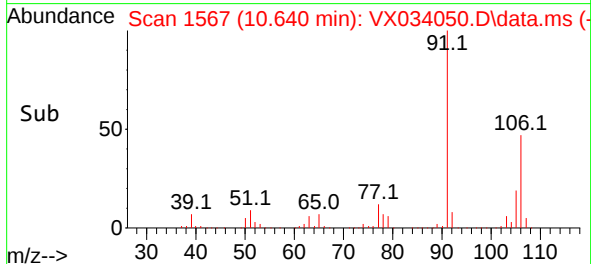
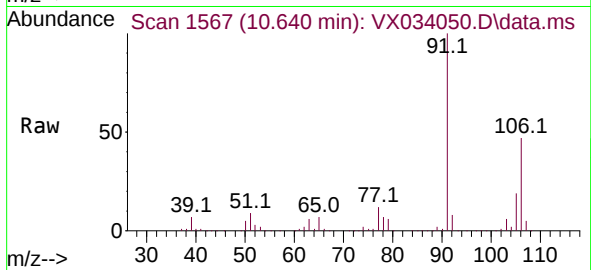
#69
o-Xylene
Concen: 24.790 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202

Tgt Ion:106 Resp: 5848
Ion Ratio Lower Upper
106 100
91 207.5 103.1 309.3

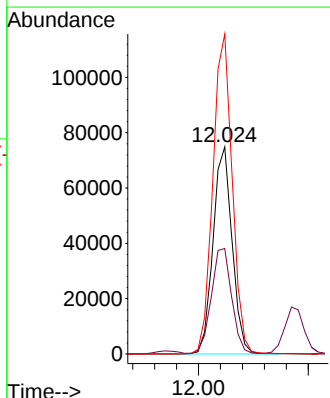
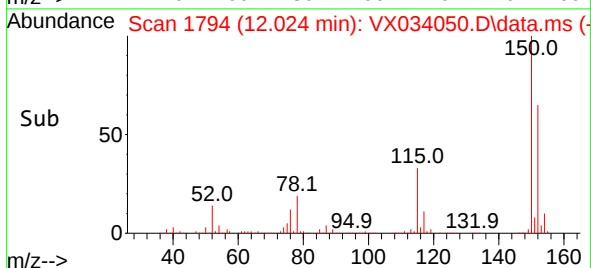
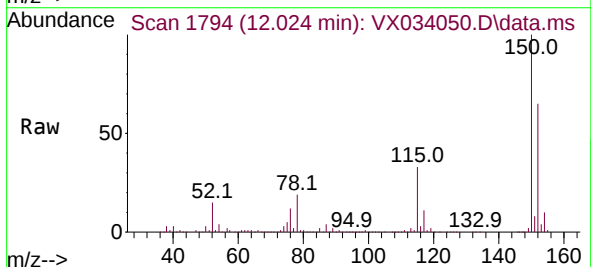
Manual Integrations
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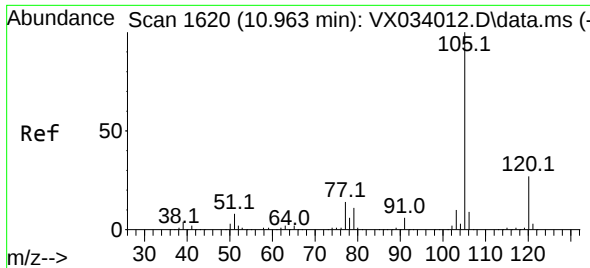
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Tgt Ion:152 Resp: 90277
Ion Ratio Lower Upper
152 100
115 54.1 38.7 116.1
150 156.9 0.0 348.2





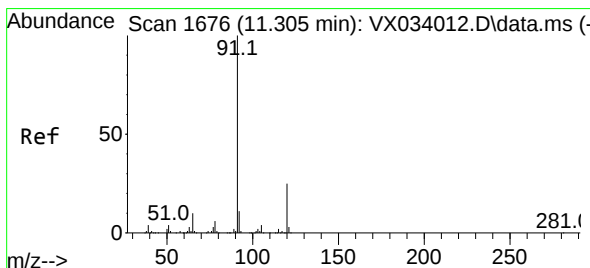
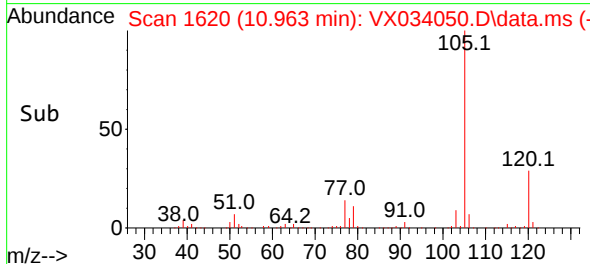
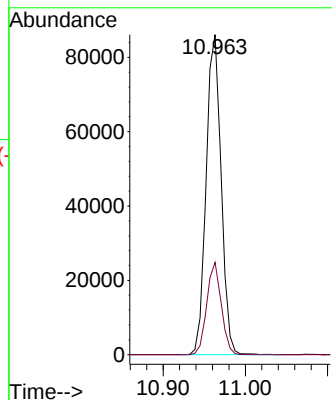
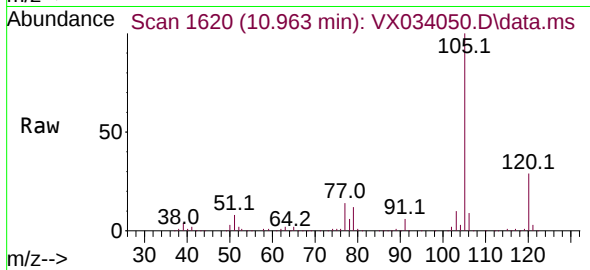
#73
Isopropylbenzene
Concen: 18.056 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202

Tgt Ion:105 Resp: 108938
Ion Ratio Lower Upper
105 100
120 27.9 13.6 40.8

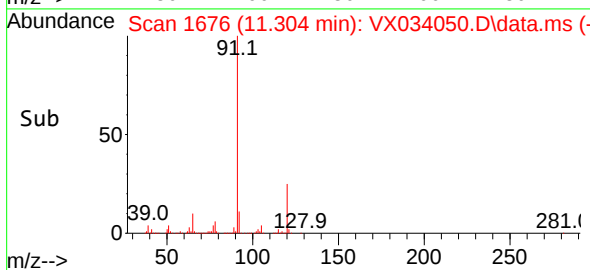
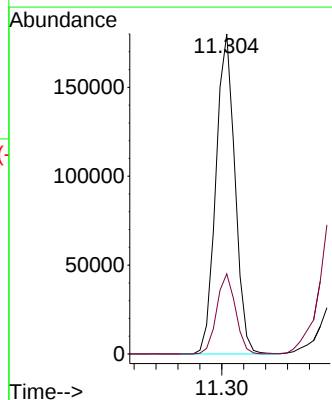
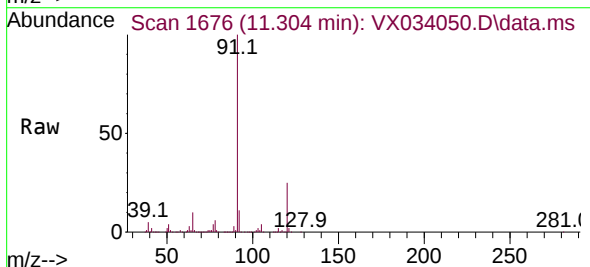
Manual Integrations
APPROVED

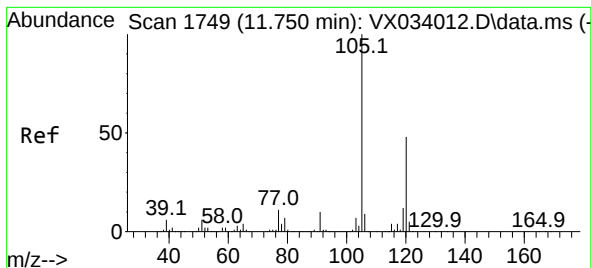
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#78
n-propylbenzene
Concen: 32.602 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Tgt Ion: 91 Resp: 217487
Ion Ratio Lower Upper
91 100
120 24.7 12.3 36.8





#84

1,2,4-Trimethylbenzene

Concen: 501.131 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX034050.D

Acq: 07 Feb 2023 00:03

Instrument :

MSVOA_X

ClientSampleId :

MW-10-0202

Tgt Ion:105 Resp: 2514302

Ion Ratio Lower Upper

105 100

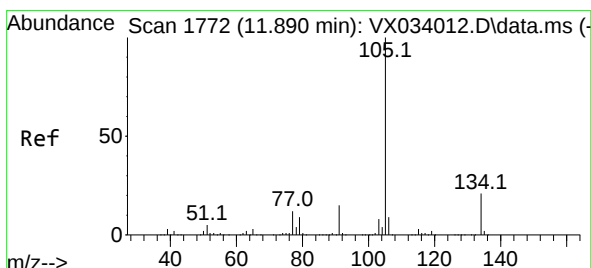
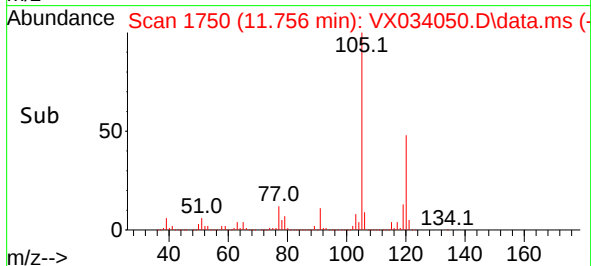
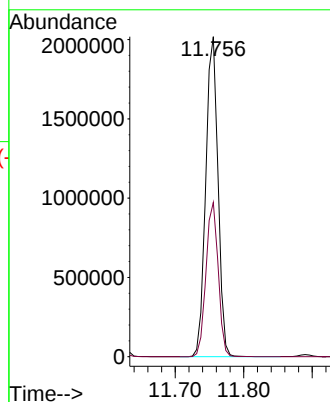
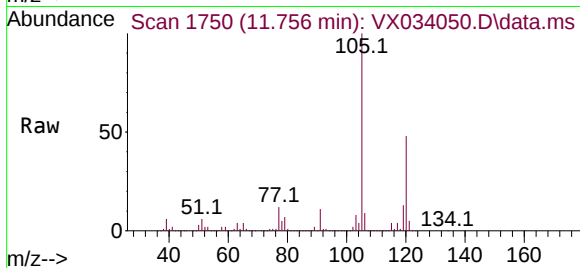
120 48.1 23.4 70.2

Manual Integrations

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Reviewed By :John Carlone 02/07/2023

Supervised By :Mahesh Dadoda 02/07/2023



#85

sec-Butylbenzene

Concen: 2.651 ug/l m

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX034050.D

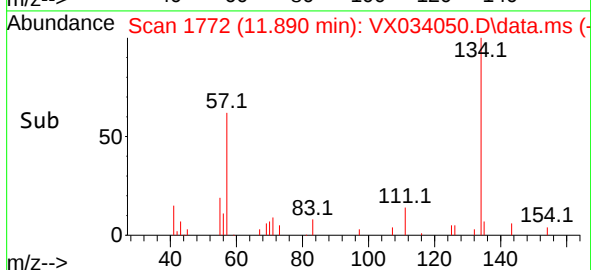
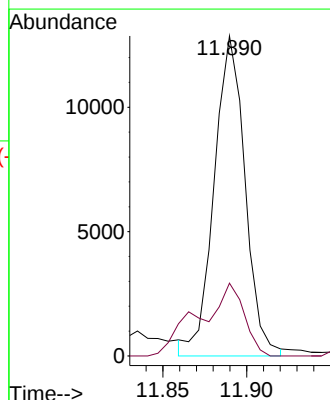
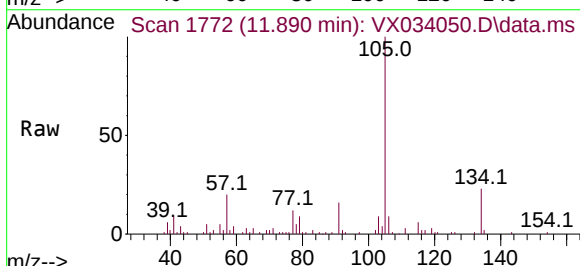
Acq: 07 Feb 2023 00:03

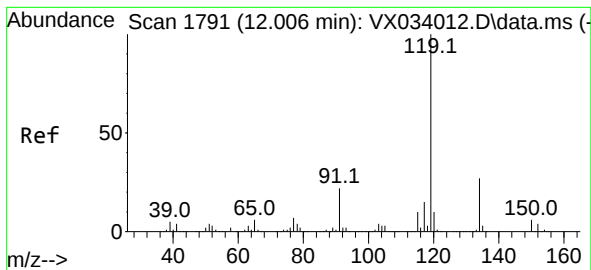
Tgt Ion:105 Resp: 16458

Ion Ratio Lower Upper

105 100

134 0.0 10.8 32.3#





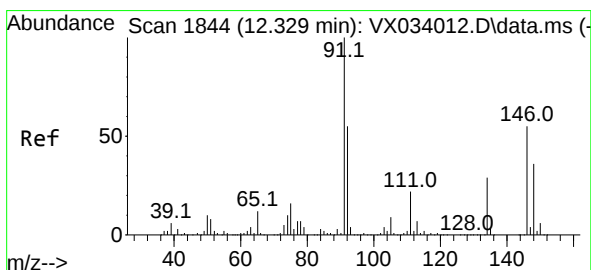
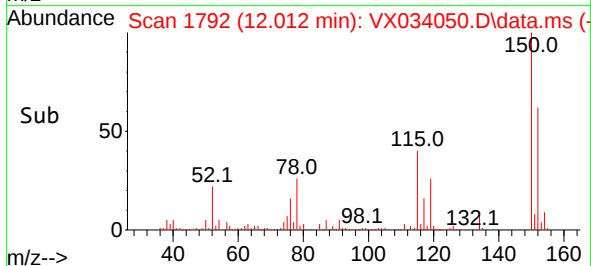
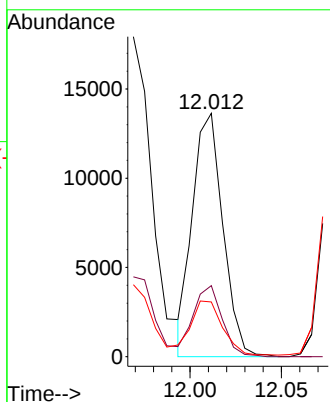
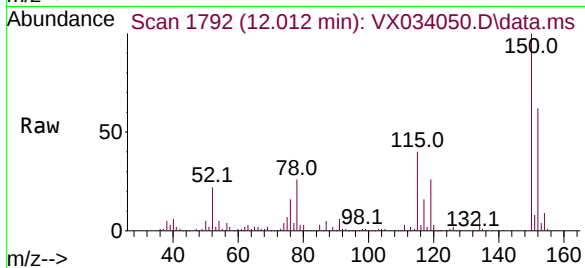
#86
p-Isopropyltoluene
Concen: 2.905 ug/l
RT: 12.012 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202

Tgt Ion: 119 Resp: 15818
Ion Ratio Lower Upper
119 100
134 27.7 13.6 40.8
91 0.0 11.0 33.0

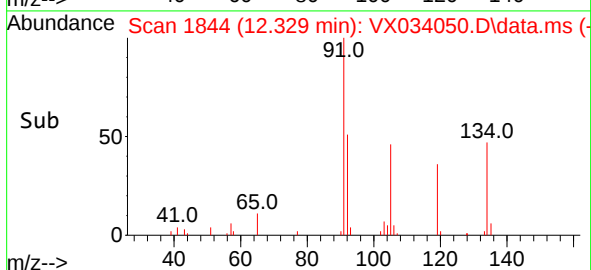
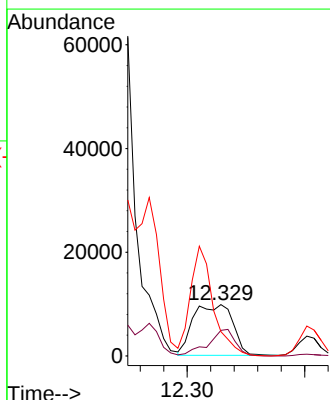
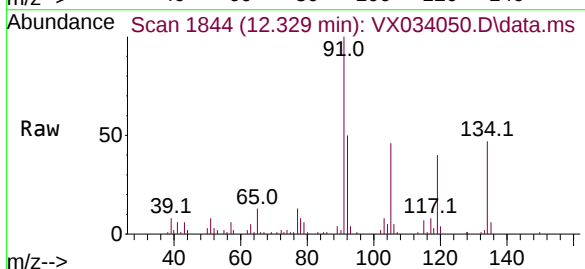
Manual Integrations
APPROVED

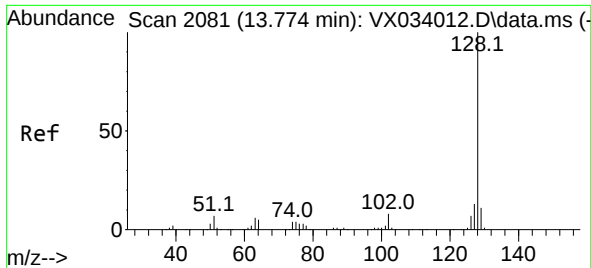
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#89
n-Butylbenzene
Concen: 5.379 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

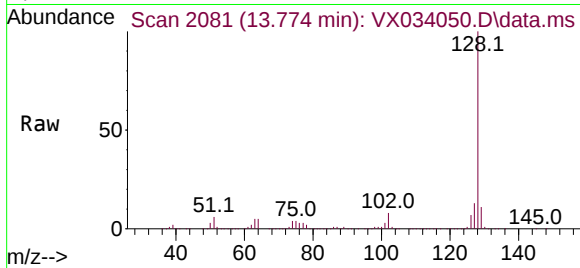
Tgt Ion: 91 Resp: 22960
Ion Ratio Lower Upper
91 100
92 35.8 27.5 82.5
134 0.0 14.3 42.9





#95
Naphthalene
Concen: 105.524 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX034050.D
Acq: 07 Feb 2023 00:03

Instrument :
MSVOA_X
ClientSampleId :
MW-10-0202



Tgt Ion:128 Resp: 613319
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.2 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023

