

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033152.D
 Acq On : 01 Dec 2022 10:56
 Operator : JC/MD
 Sample : N5815-23DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-1DL

Manual Integrations
 APPROVED

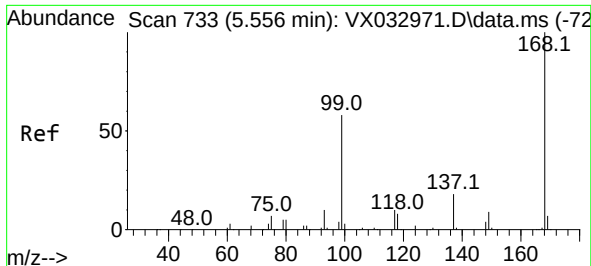
Reviewed By : John Carlone 12/02/2022
 Supervised By : Mahesh Dadoda 12/02/2022

Quant Time: Dec 02 00:48:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

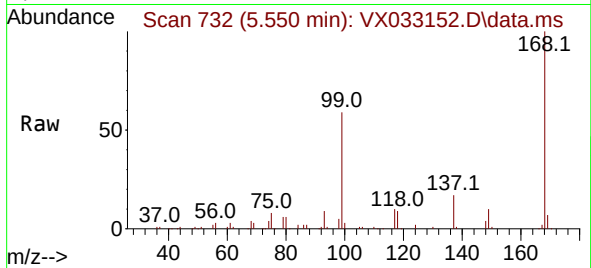
Internal Standards						
1) Pentafluorobenzene	5.550	168	125222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65647	53.894	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.780%			
35) Dibromofluoromethane	5.385	113	53164	47.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.060%			
50) Toluene-d8	8.647	98	176091	52.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.860%			
62) 4-Bromofluorobenzene	11.079	95	66722	45.411	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.820%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.020	59	4260m	22.037	ug/l	
19) Methyl tert-butyl Ether	3.111	73	15790	4.166	ug/l #	1
31) Cyclohexane	5.471	56	12480	6.316	ug/l	99
39) Methylcyclohexane	7.379	83	5221	2.559	ug/l #	86
40) Benzene	6.038	78	78237	15.602	ug/l	97
52) Toluene	8.720	92	1869	0.567	ug/l	93
67) Ethyl Benzene	10.195	91	270326	43.544	ug/l	100
68) m/p-Xylenes	10.305	106	18567	7.638	ug/l	98
69) o-Xylene	10.646	106	533	0.227	ug/l	68
73) Isopropylbenzene	10.964	105	16383	2.714	ug/l	98
78) n-propylbenzene	11.305	91	38530	5.582	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	5556	1.096	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	23588	4.664	ug/l	98
85) sec-Butylbenzene	11.890	105	2308	0.382	ug/l	85
86) p-Isopropyltoluene	12.012	119	1093	0.214	ug/l #	74
89) n-Butylbenzene	12.329	91	1844m	0.418	ug/l	
95) Naphthalene	13.780	128	18856	3.490	ug/l	100

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

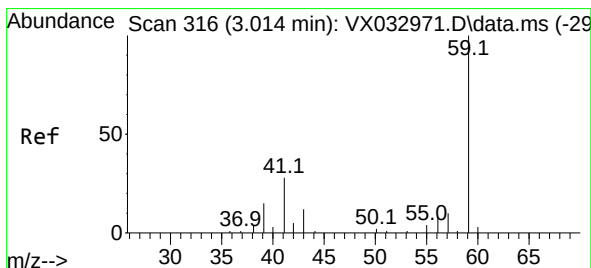
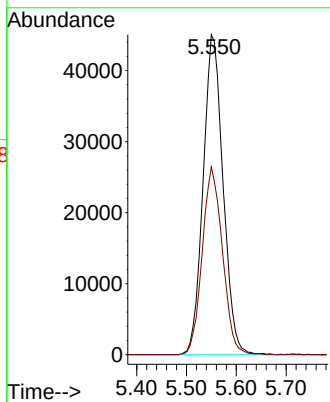
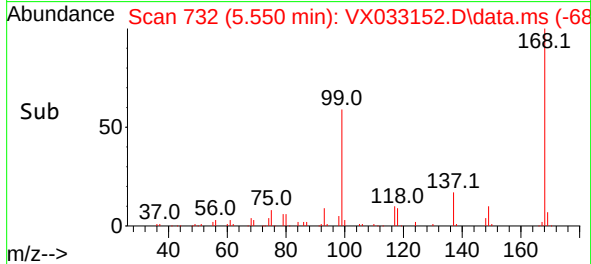
Instrument :
MSVOA_X
ClientSampleId :
RW-1DL



Tgt Ion:168 Resp: 12522
Ion Ratio Lower Upper
168 100
99 58.7 46.1 69.1

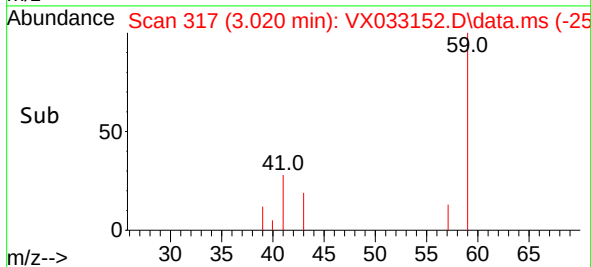
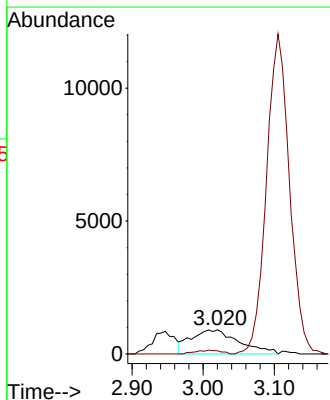
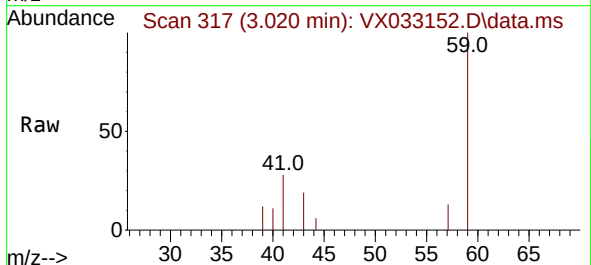
Manual Integrations
APPROVED

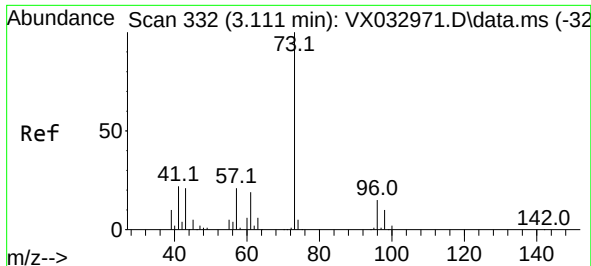
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#11
Tert butyl alcohol
Concen: 22.037 ug/l m
RT: 3.020 min Scan# 317
Delta R.T. 0.055 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

Tgt Ion: 59 Resp: 4260
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





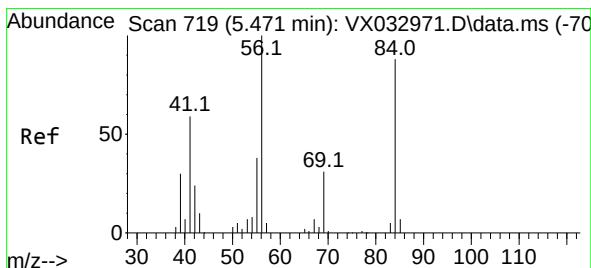
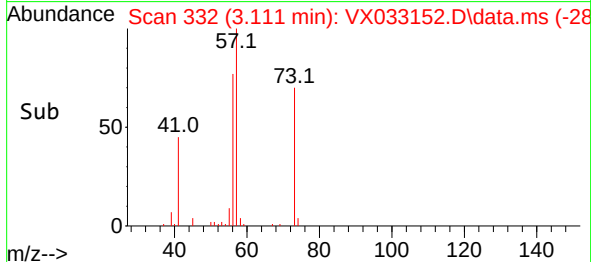
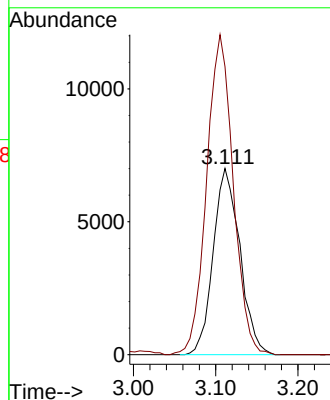
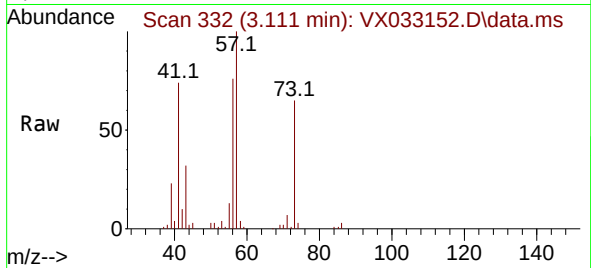
#19
Methyl tert-butyl Ether
Concen: 4.166 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

Instrument :
MSVOA_X
ClientSampleId :
RW-1DL

Tgt Ion: 73 Resp: 15790
Ion Ratio Lower Upper
73 100
57 154.6 16.6 25.0

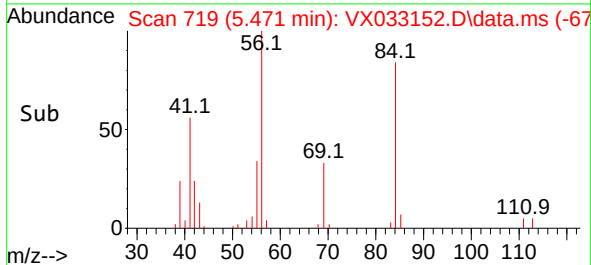
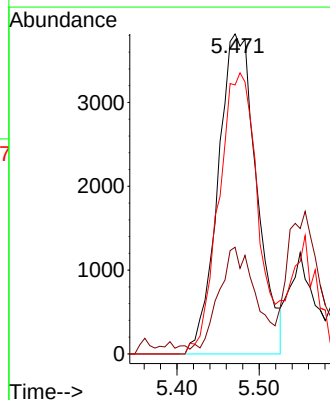
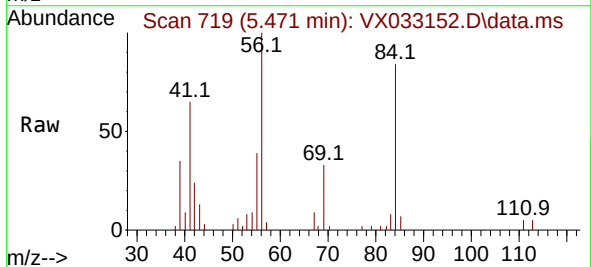
Manual Integrations
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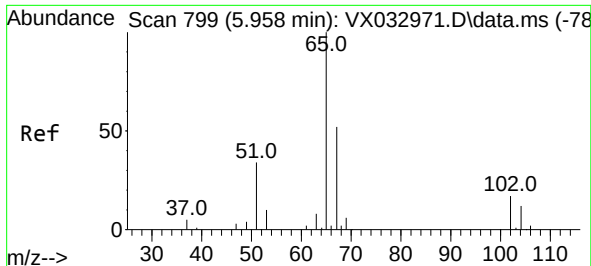
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#31
Cyclohexane
Concen: 6.316 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

Tgt Ion: 56 Resp: 12480
Ion Ratio Lower Upper
56 100
69 30.9 24.1 36.1
84 84.1 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.894 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033152.D

Acq: 01 Dec 2022 10:56

Instrument :

MSVOA_X

ClientSampleId :

RW-1DL

Tgt Ion: 65 Resp: 6564

Ion Ratio Lower Upper

65 100

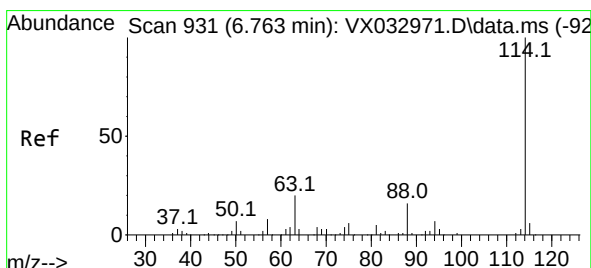
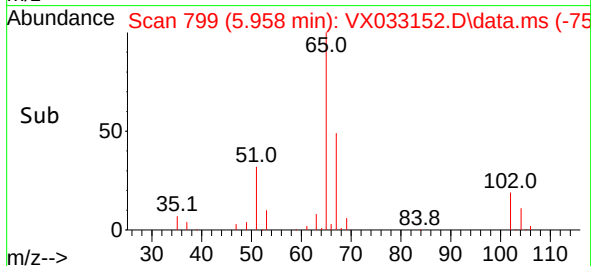
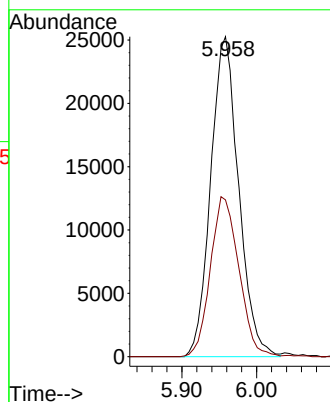
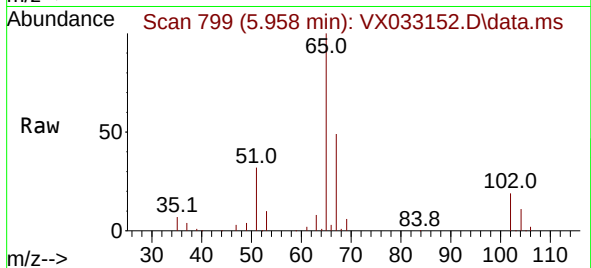
67 51.2 0.0 101.8

Manual Integrations

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Reviewed By :John Carlone 12/02/2022

Supervised By :Mahesh Dadoda 12/02/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033152.D

Acq: 01 Dec 2022 10:56

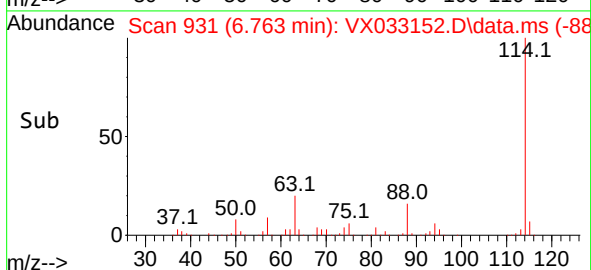
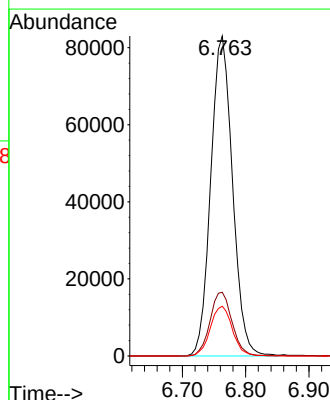
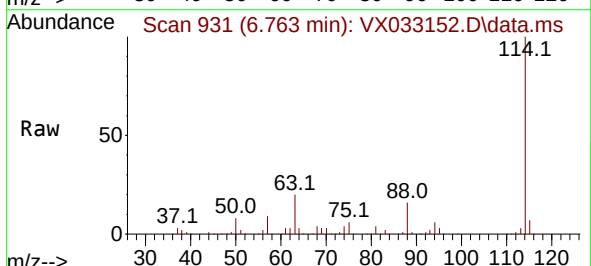
Tgt Ion:114 Resp: 198403

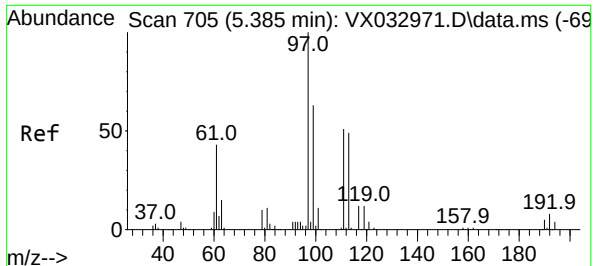
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.531 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033152.D

Acq: 01 Dec 2022 10:56

Instrument :

MSVOA_X

ClientSampleId :

RW-1DL

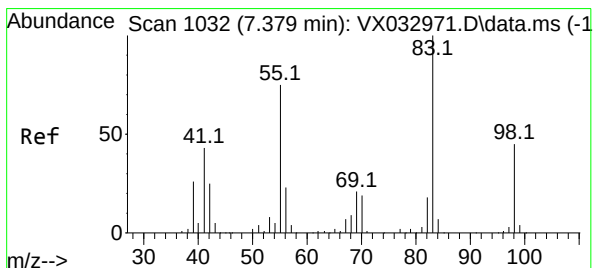
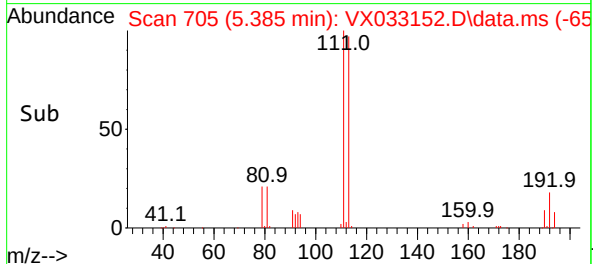
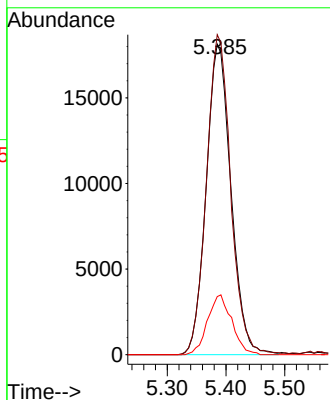
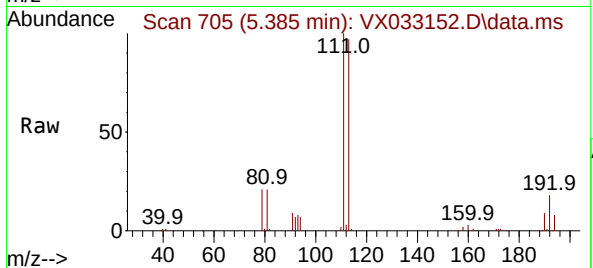
Tgt Ion:	113	Resp:	5316
Ion Ratio	Lower	Upper	
113	100		
111	101.1	82.4	123.6
192	18.9	15.4	23.2

Manual Integrations

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Reviewed By :John Carlone 12/02/2022

Supervised By :Mahesh Dadoda 12/02/2022



#39

Methylcyclohexane

Concen: 2.559 ug/l

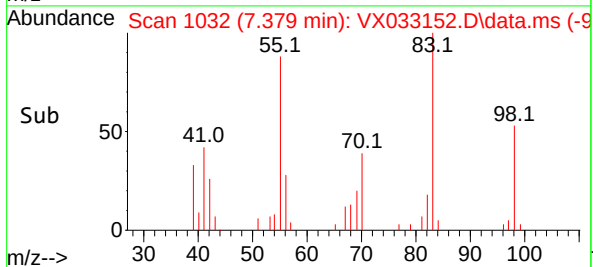
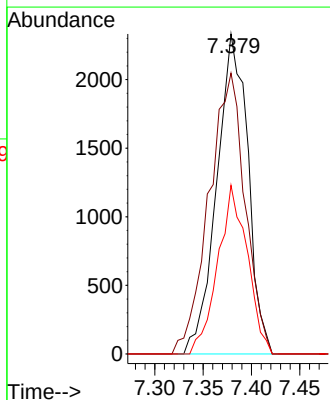
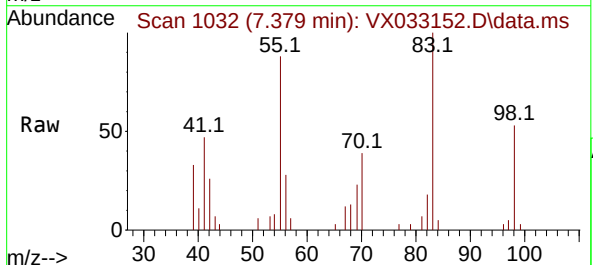
RT: 7.379 min Scan# 1032

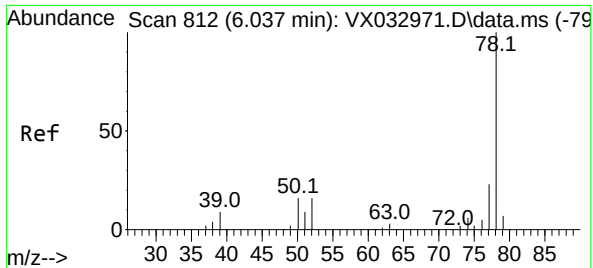
Delta R.T. -0.006 min

Lab File: VX033152.D

Acq: 01 Dec 2022 10:56

Tgt Ion:	83	Resp:	5221
Ion Ratio	Lower	Upper	
83	100		
55	87.7	58.4	87.6
98	52.7	37.2	55.8





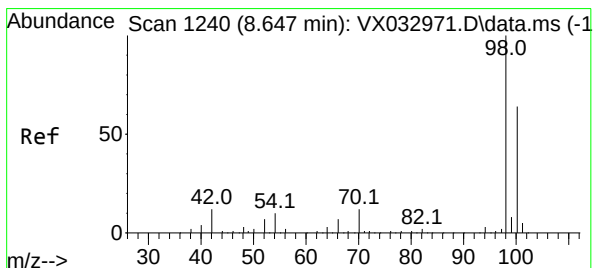
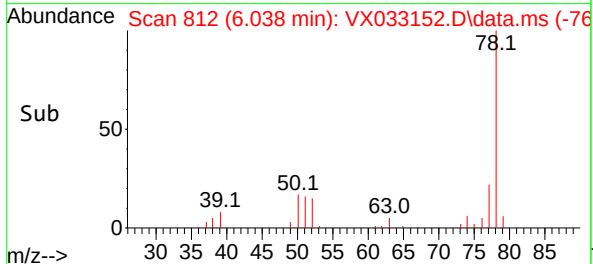
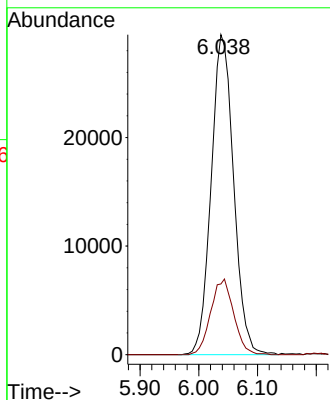
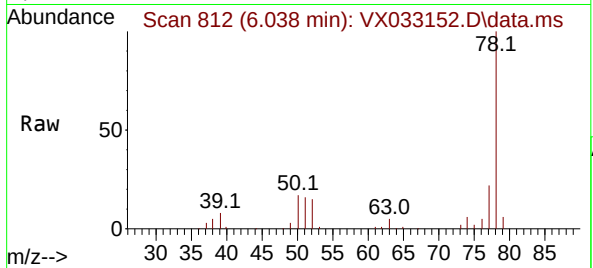
#40
Benzene
Concen: 15.602 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

Instrument :
MSVOA_X
ClientSampleId :
RW-1DL

Tgt Ion: 78 Resp: 7823
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4

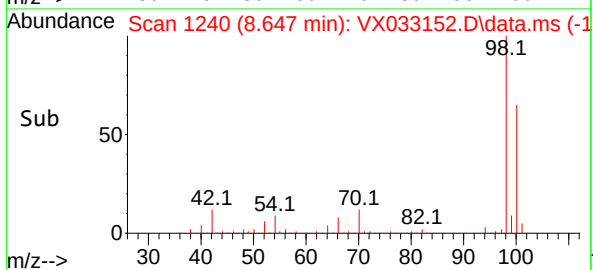
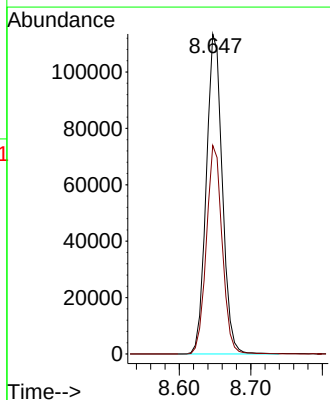
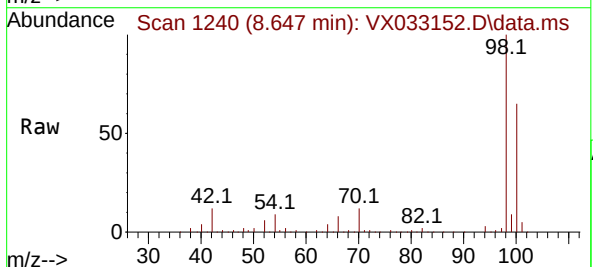
Manual Integrations
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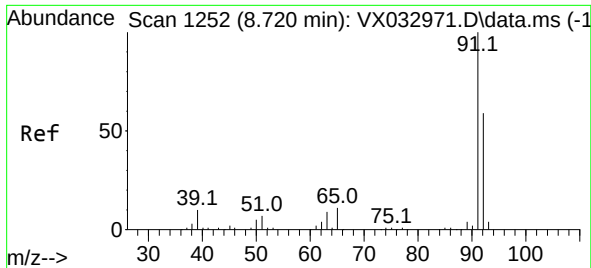
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#50
Toluene-d8
Concen: 52.428 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

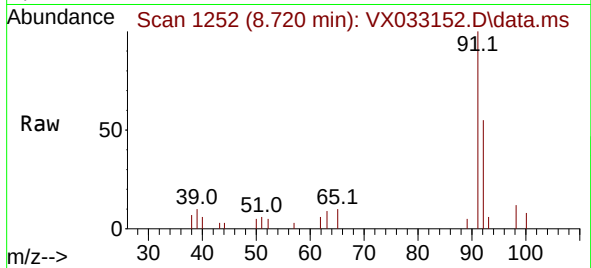
Tgt Ion: 98 Resp: 176091
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#52
Toluene
Concen: 0.567 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

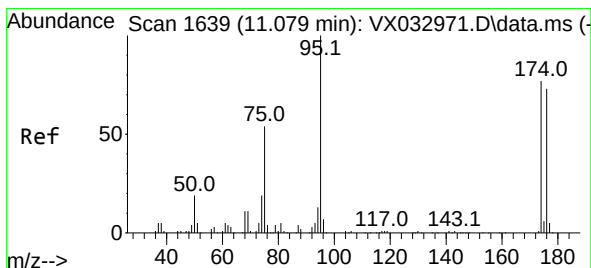
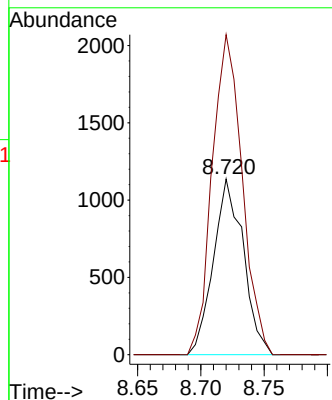
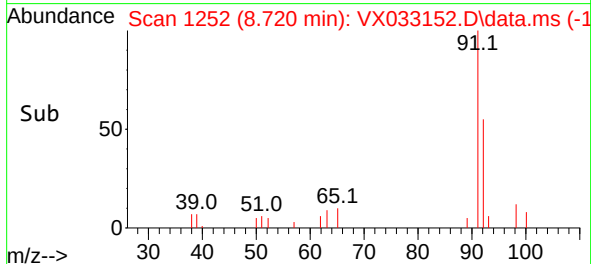
Instrument :
MSVOA_X
ClientSampleId :
RW-1DL



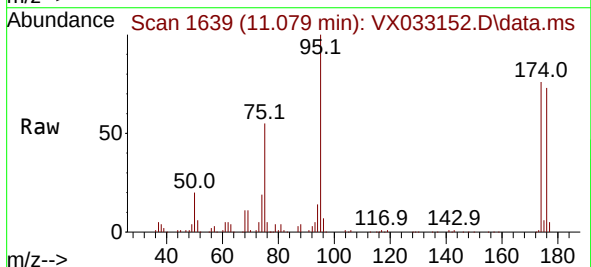
Tgt Ion: 92 Resp: 1869
Ion Ratio Lower Upper
92 100
91 182.7 138.3 207.5

Manual Integrations
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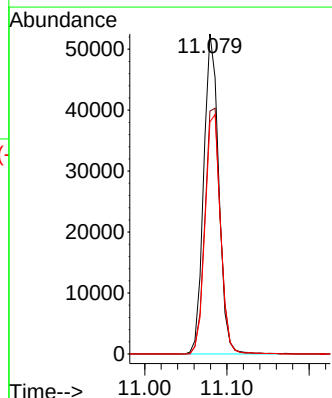
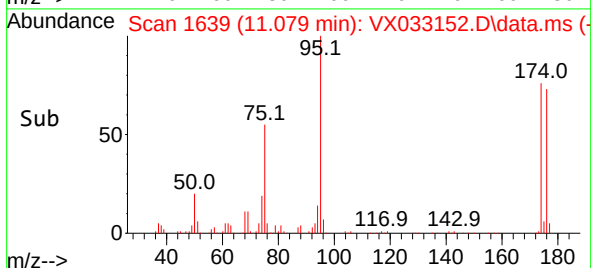
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

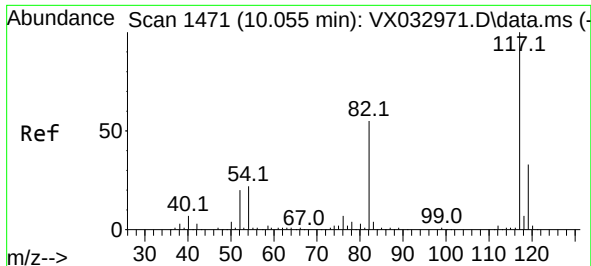


#62
4-Bromofluorobenzene
Concen: 45.411 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56



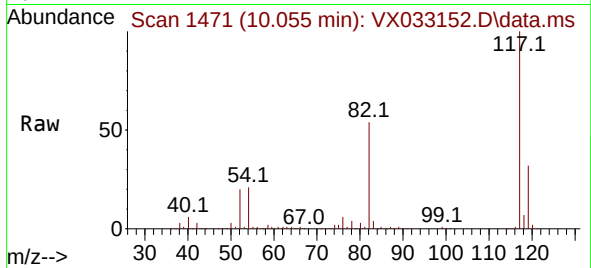
Tgt Ion: 95 Resp: 66722
Ion Ratio Lower Upper
95 100
174 79.5 0.0 164.0
176 76.9 0.0 154.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

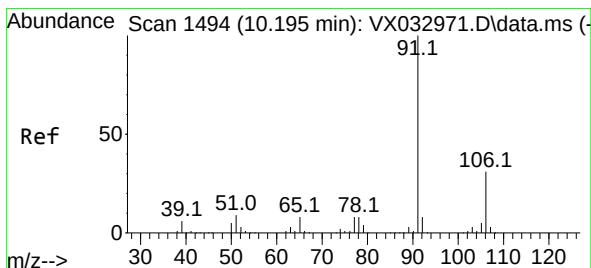
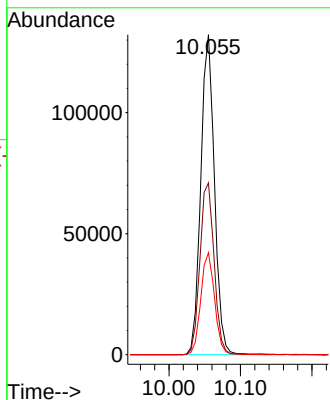
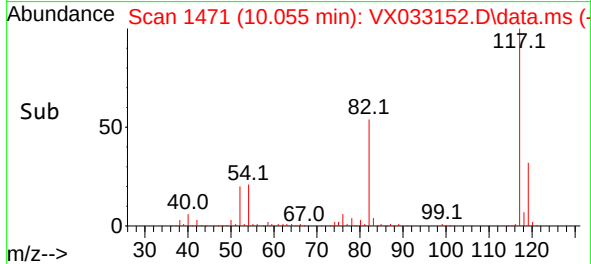
Instrument :
MSVOA_X
ClientSampleId :
RW-1DL



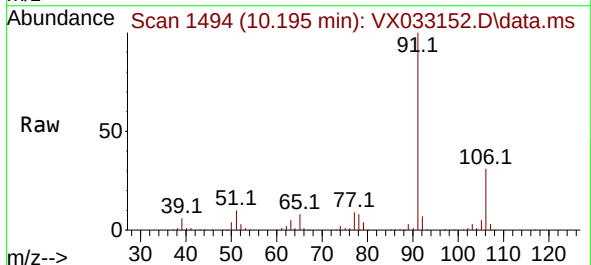
Tgt Ion:117 Resp: 175538
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 31.8 25.7 38.5

Manual Integrations
APPROVED

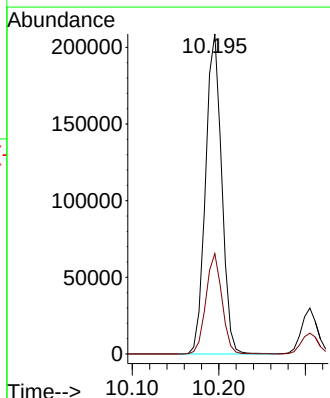
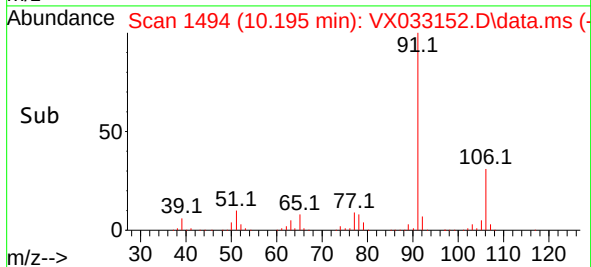
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

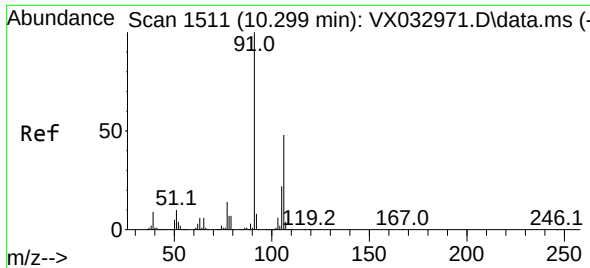


#67
Ethyl Benzene
Concen: 43.544 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56



Tgt Ion: 91 Resp: 270326
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6





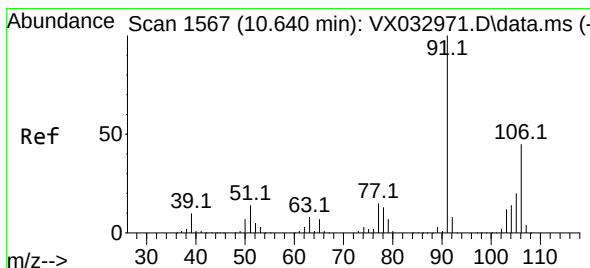
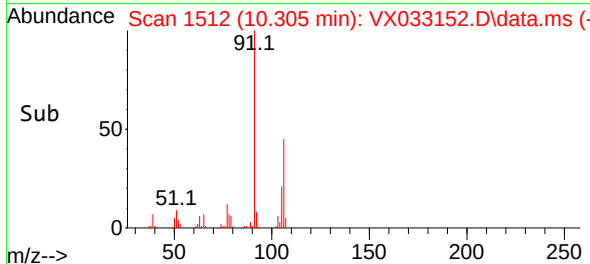
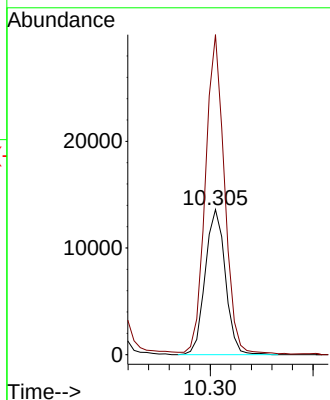
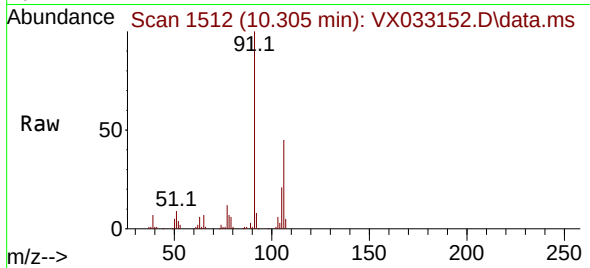
#68
m/p-Xylenes
Concen: 7.638 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

Instrument :
MSVOA_X
ClientSampleId :
RW-1DL

Tgt Ion:106 Resp: 1856
Ion Ratio Lower Upper
106 100
91 208.5 164.5 246.7

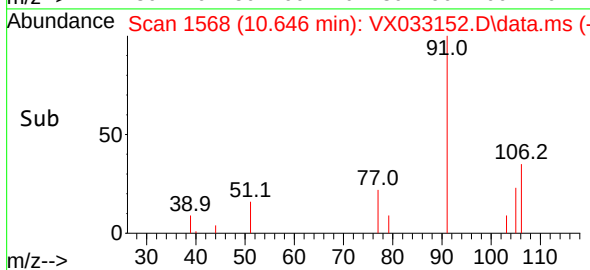
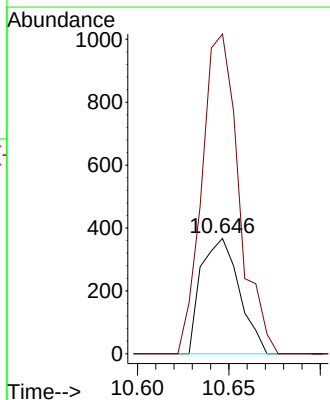
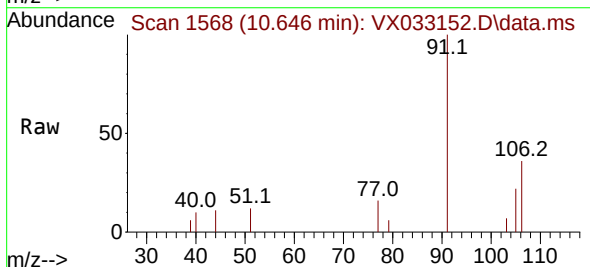
Manual Integrations
APPROVED

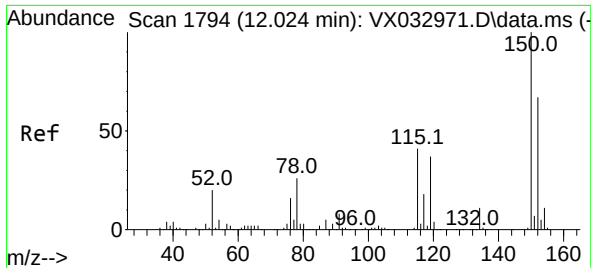
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#69
o-Xylene
Concen: 0.227 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

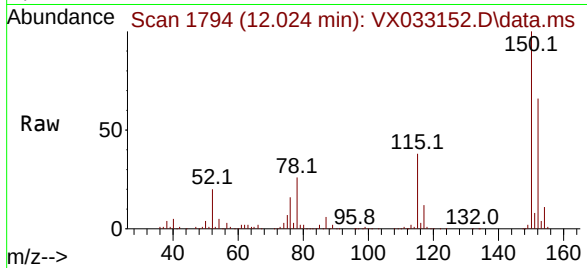
Tgt Ion:106 Resp: 533
Ion Ratio Lower Upper
106 100
91 268.9 109.2 327.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

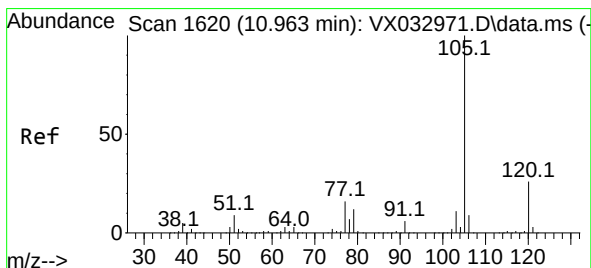
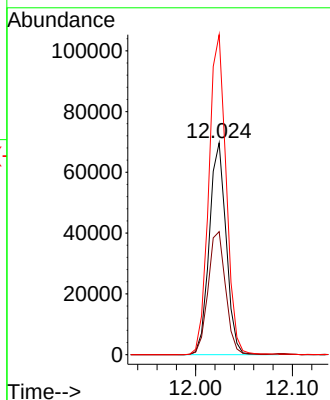
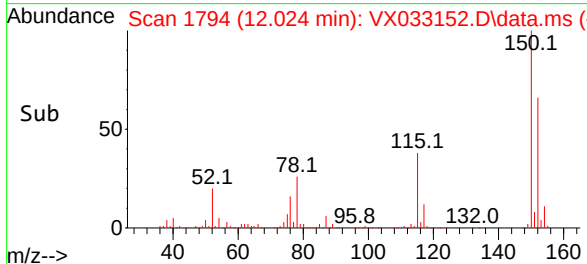
Instrument :
MSVOA_X
ClientSampleId :
RW-1DL



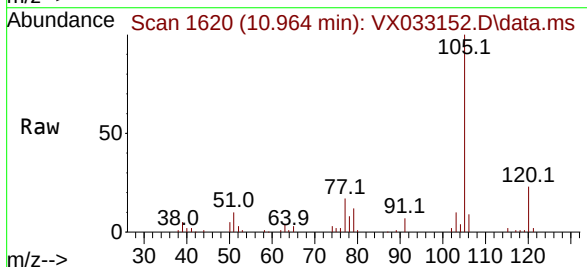
Tgt Ion:152 Resp: 8448
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 155.7 0.0 351.8

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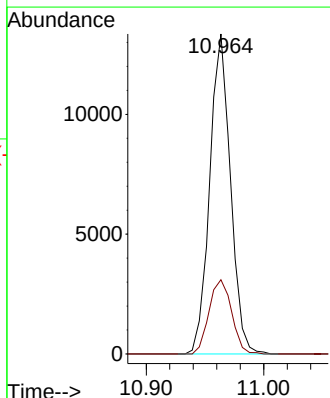
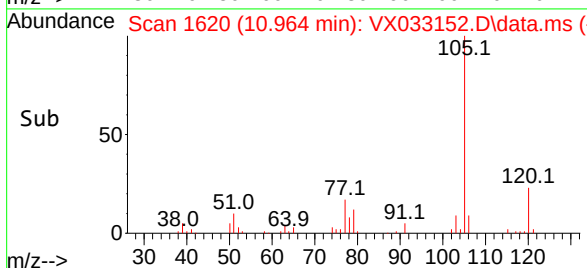
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

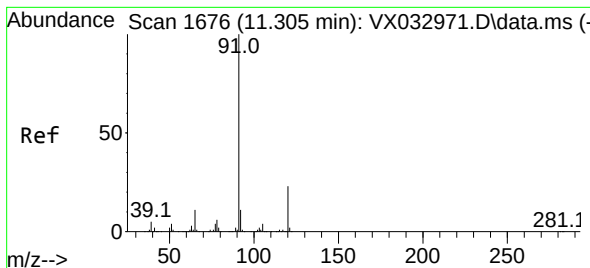


#73
Isopropylbenzene
Concen: 2.714 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56



Tgt Ion:105 Resp: 16383
Ion Ratio Lower Upper
105 100
120 25.3 13.1 39.3





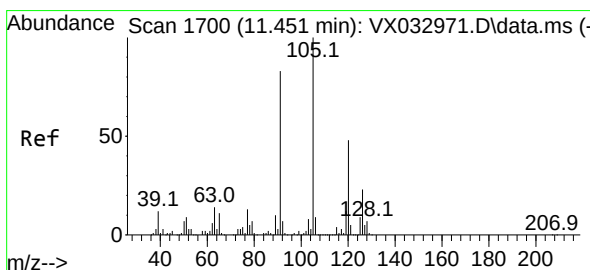
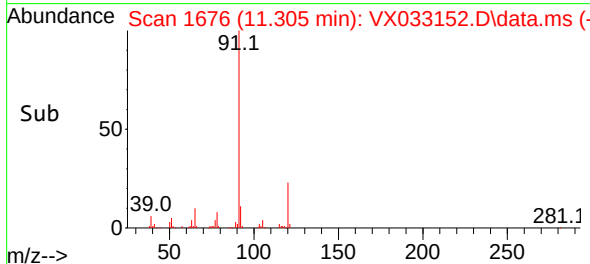
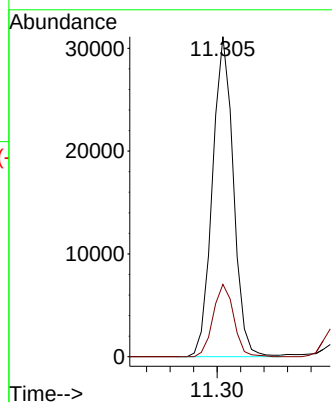
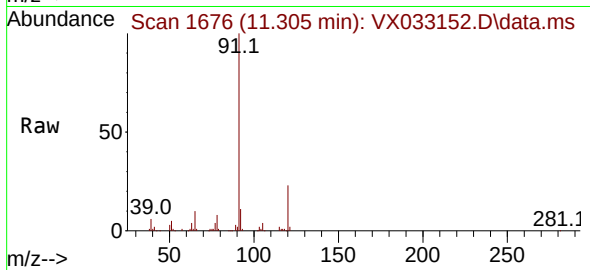
#78
n-propylbenzene
Concen: 5.582 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

Instrument :
MSVOA_X
ClientSampleId :
RW-1DL

Tgt Ion: 91 Resp: 38530
Ion Ratio Lower Upper
91 100
120 22.1 11.6 34.8

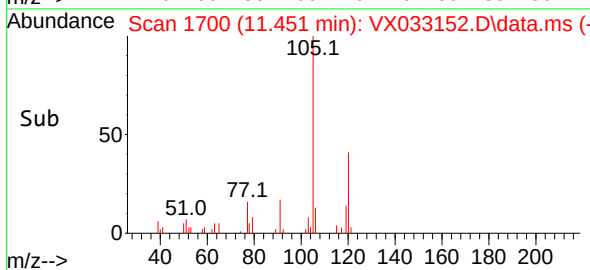
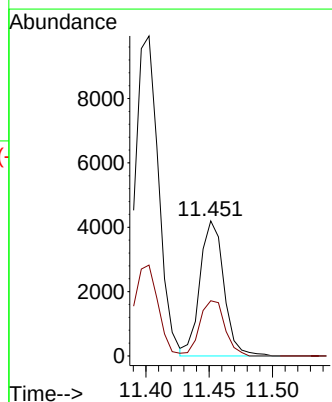
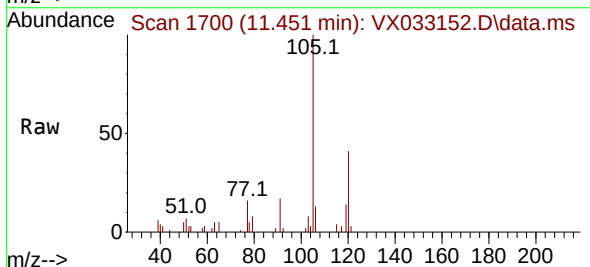
Manual Integrations
APPROVED

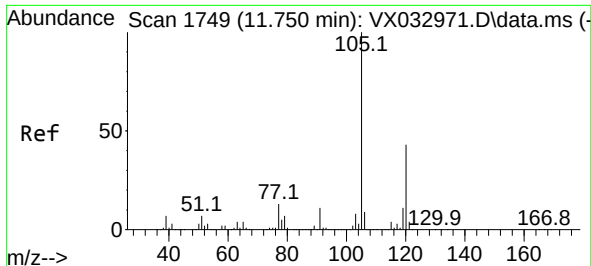
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#80
1,3,5-Trimethylbenzene
Concen: 1.096 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

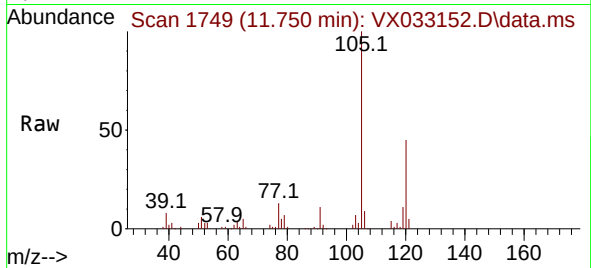
Tgt Ion:105 Resp: 5556
Ion Ratio Lower Upper
105 100
120 42.9 23.6 71.0





#84
1,2,4-Trimethylbenzene
Concen: 4.664 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

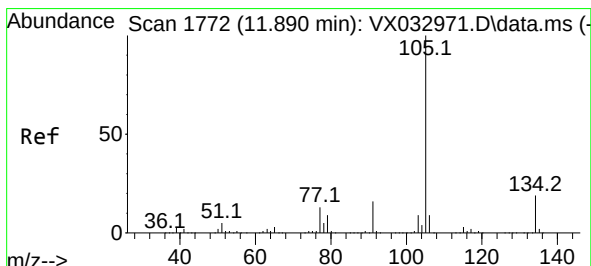
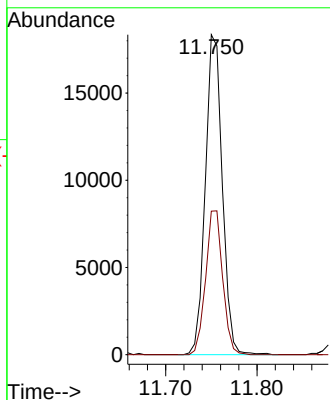
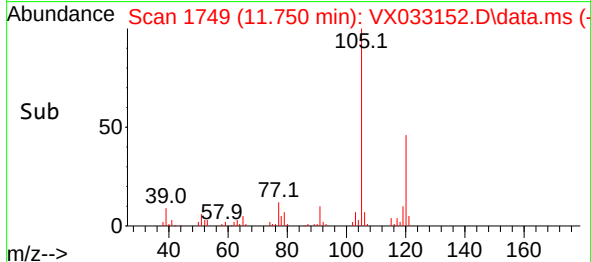
Instrument :
MSVOA_X
ClientSampleId :
RW-1DL



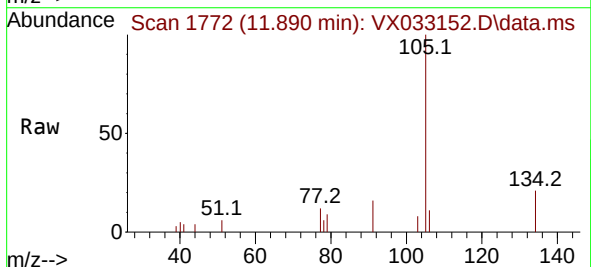
Tgt Ion:105 Resp: 2358
Ion Ratio Lower Upper
105 100
120 45.2 21.9 65.5

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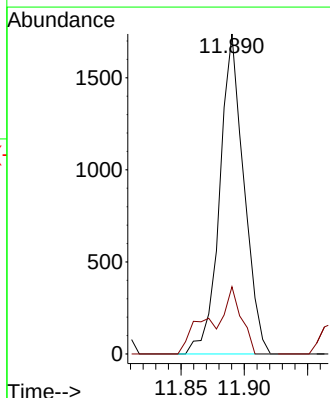
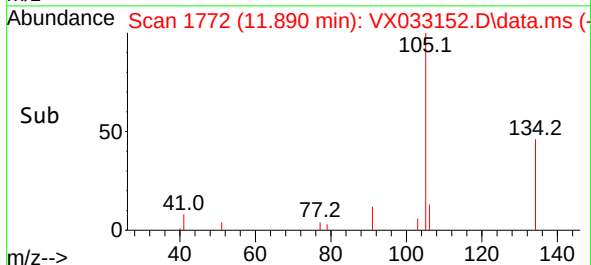
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

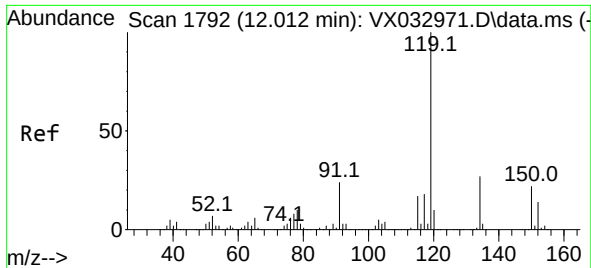


#85
sec-Butylbenzene
Concen: 0.382 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56



Tgt Ion:105 Resp: 2308
Ion Ratio Lower Upper
105 100
134 26.6 9.9 29.7





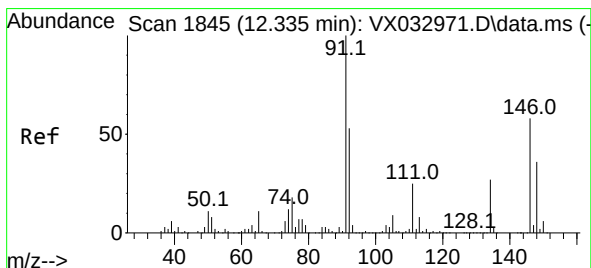
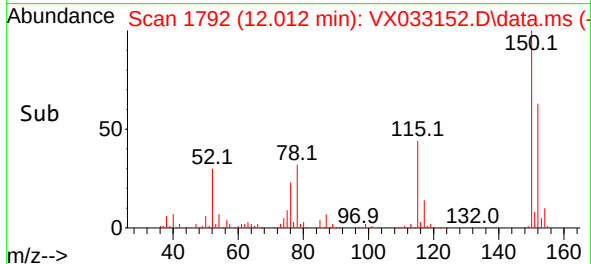
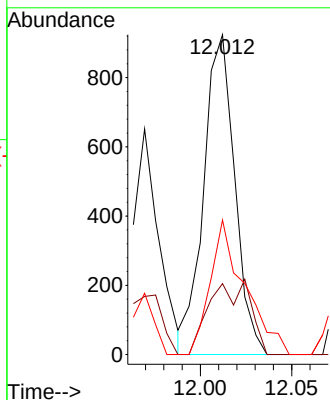
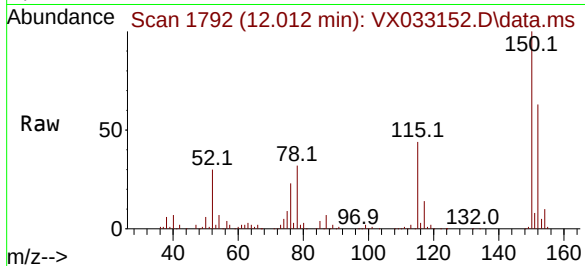
#86
p-Isopropyltoluene
Concen: 0.214 ug/l
RT: 12.012 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

Instrument :
MSVOA_X
ClientSampleId :
RW-1DL

Tgt Ion:119 Resp: 109
Ion Ratio Lower Upper
119 100
134 30.3 12.9 38.7
91 47.0 12.5 37.5

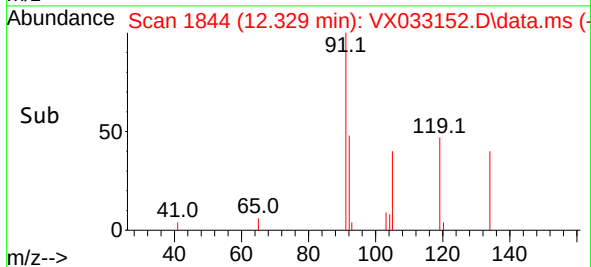
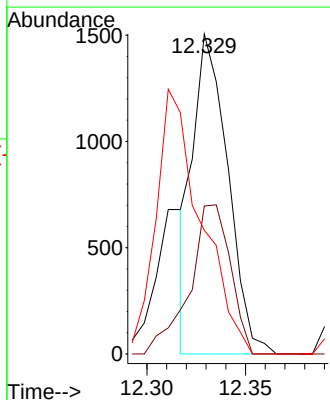
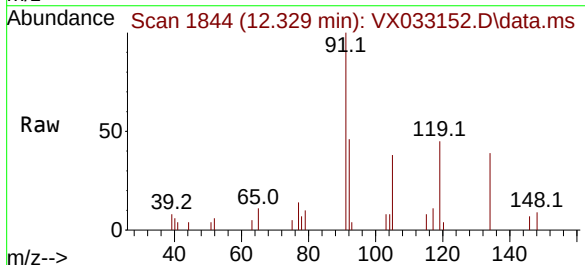
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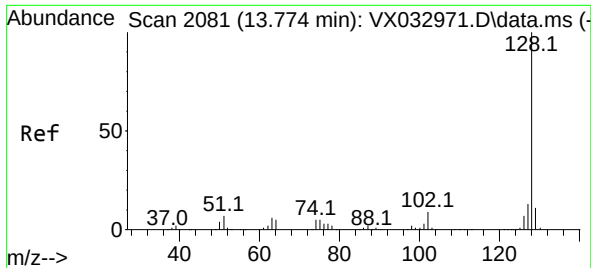
Reviewed By :John Carbone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#89
n-Butylbenzene
Concen: 0.418 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033152.D
Acq: 01 Dec 2022 10:56

Tgt Ion: 91 Resp: 1844
Ion Ratio Lower Upper
91 100
92 54.9 26.2 78.6
134 0.0 12.9 38.6#





#95

Naphthalene

Concen: 3.490 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX033152.D

Acq: 01 Dec 2022 10:56

Instrument :

MSVOA_X

ClientSampleId :

RW-1DL

Tgt Ion:128 Resp: 18850

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2022

Supervised By :Mahesh Dadoda 12/02/2022

