

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031783.D
 Acq On : 29 Sep 2022 19:01
 Operator : JC/MD
 Sample : N4887-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220928033-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Sep 30 04:38:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	74718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	112197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72347	45.621	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.240%		
35) Dibromofluoromethane	5.385	113	65520	49.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.020%		
50) Toluene-d8	8.647	98	219628	45.316	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.640%		
62) 4-Bromofluorobenzene	11.079	95	79779	44.911	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.820%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.983	59	742845	4092.368	ug/l	99
16) Acetone	2.386	43	55031	141.632	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	3265	0.926	ug/l	96
25) 2-Butanone	4.568	43	69233	91.463	ug/l	94
29) Tetrahydrofuran	5.007	42	147440	310.062	ug/l #	82
40) Benzene	6.044	78	8034	1.704	ug/l	92
52) Toluene	8.720	92	4130	1.314	ug/l	98
65) Chlorobenzene	10.079	112	1447	0.433	ug/l	94
67) Ethyl Benzene	10.195	91	14241	2.506	ug/l	99
68) m/p-Xylenes	10.299	106	8158	3.573	ug/l	98
69) o-Xylene	10.640	106	5260	2.357	ug/l	100
73) Isopropylbenzene	10.963	105	4485	0.865	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	1981	0.451	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	6408	1.474	ug/l	94
86) p-Isopropyltoluene	12.012	119	1489m	0.321	ug/l	
88) 1,4-Dichlorobenzene	12.042	146	5198	1.944	ug/l	85
95) Naphthalene	13.774	128	58169	11.642	ug/l	99

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

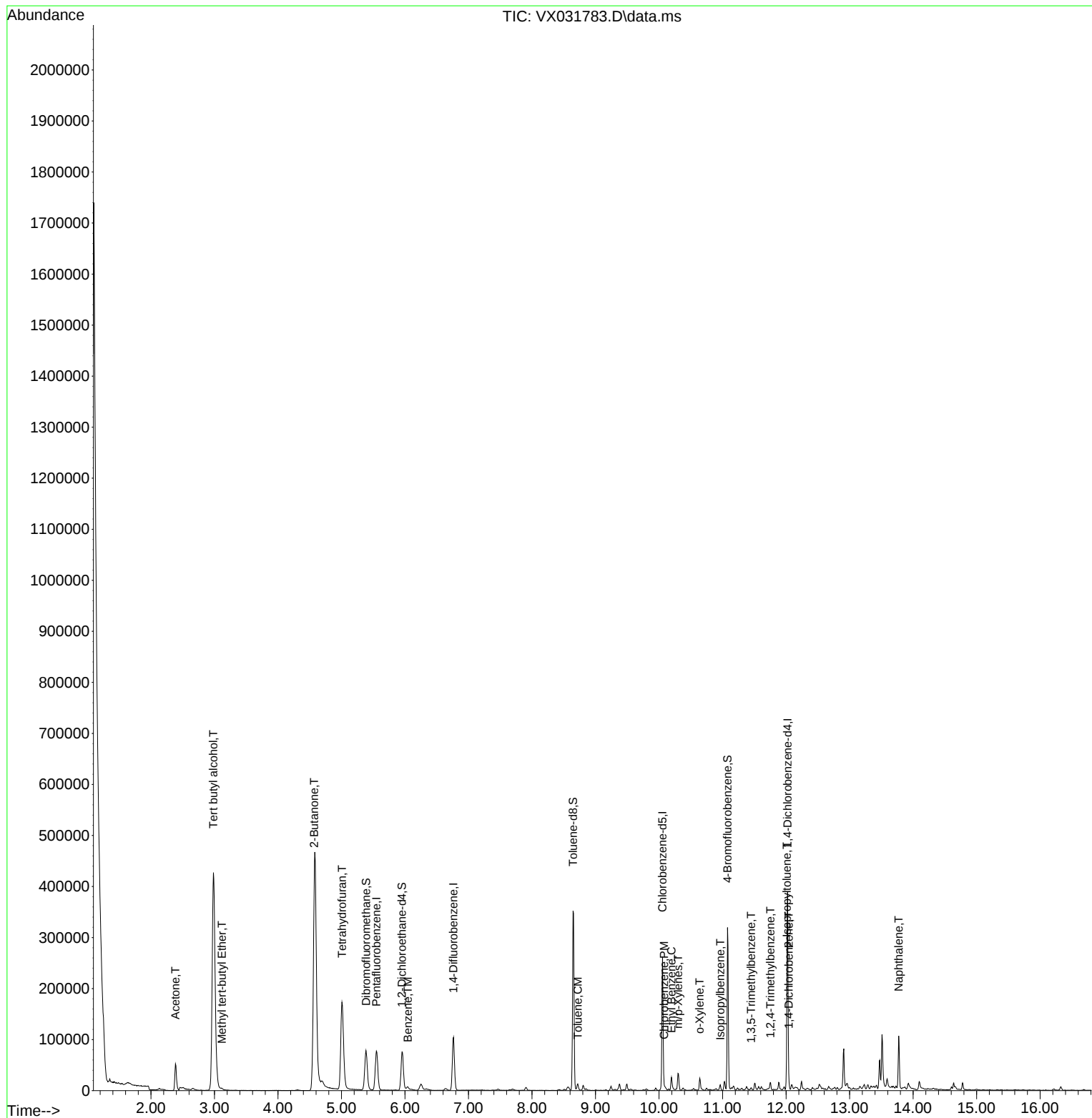
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
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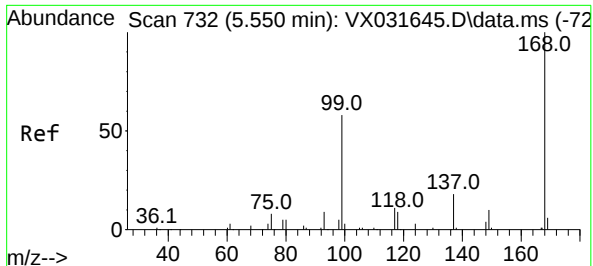
Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Quant Time: Sep 30 04:38:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
Quant Title : SW846 8260
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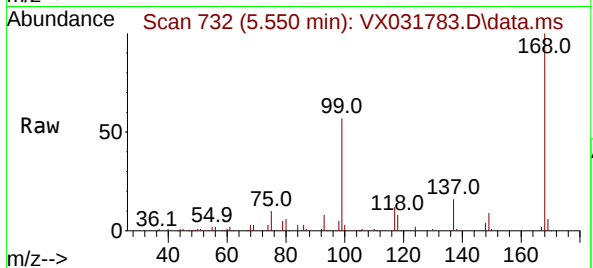
Reviewed By : John Carlone 09/30/2022
Supervised By : Mahesh Dadoda 10/06/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.006 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

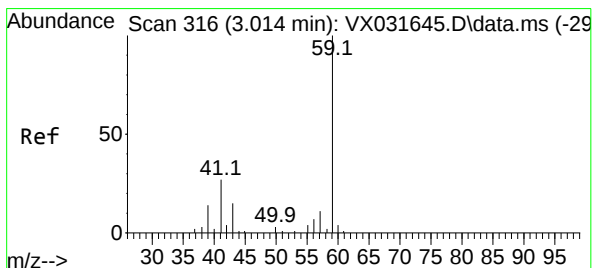
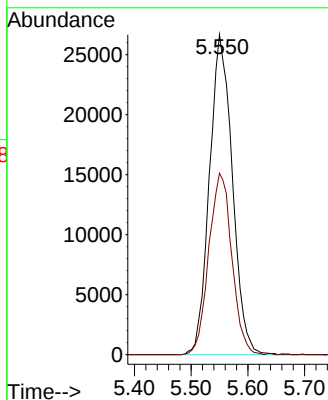
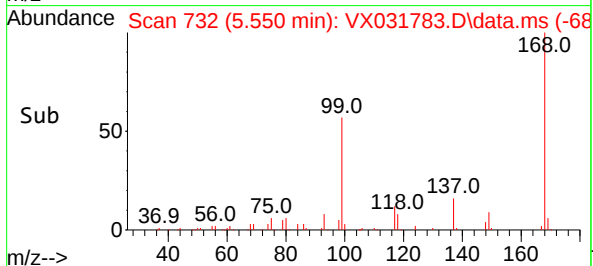
Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA



Tgt Ion:168 Resp: 74718
Ion Ratio Lower Upper
168 100
99 56.7 48.8 73.2

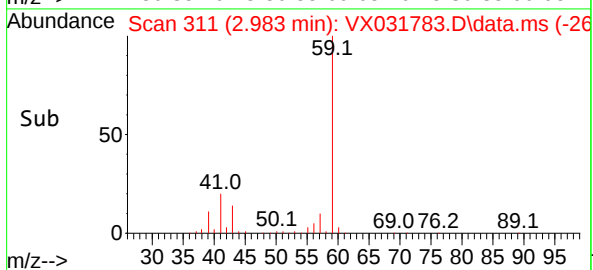
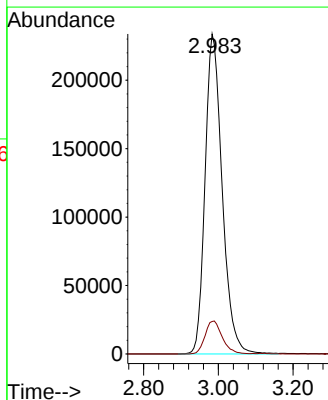
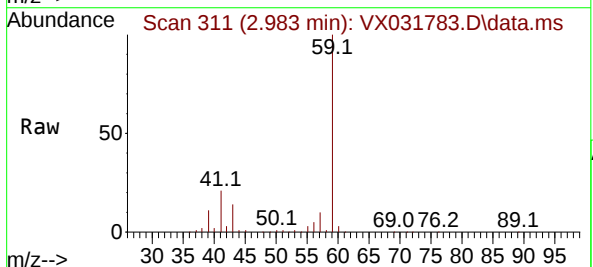
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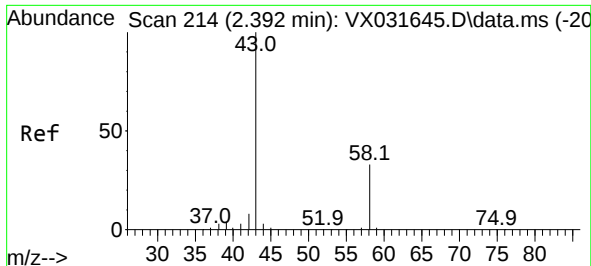
Reviewed By :John Carlone 09/30/2022
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#11
Tert butyl alcohol
Concen: 4092.368 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

Tgt Ion: 59 Resp: 742845
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2





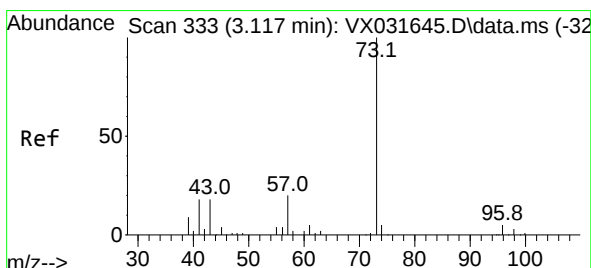
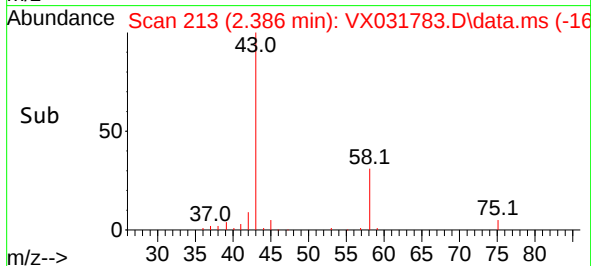
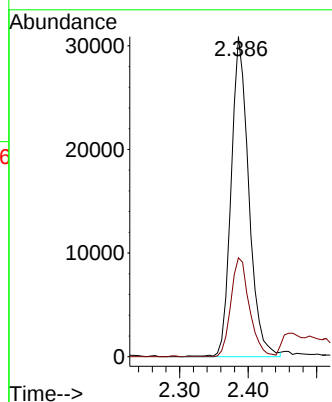
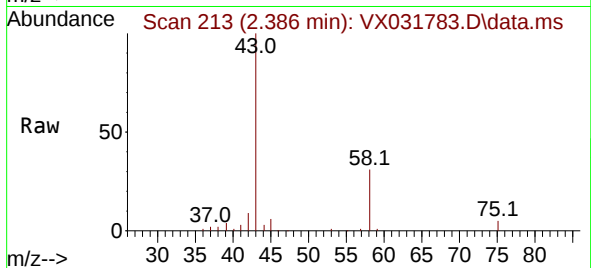
#16
Acetone
Concen: 141.632 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion: 43 Resp: 5503
Ion Ratio Lower Upper
43 100
58 30.9 23.8 35.8

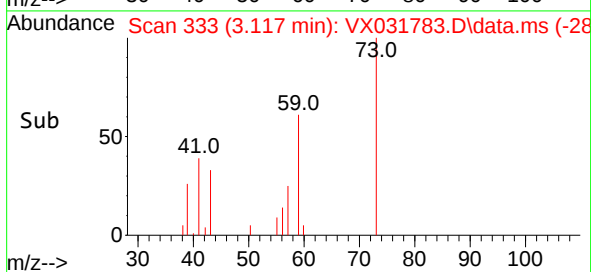
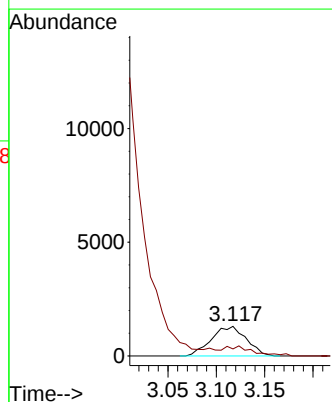
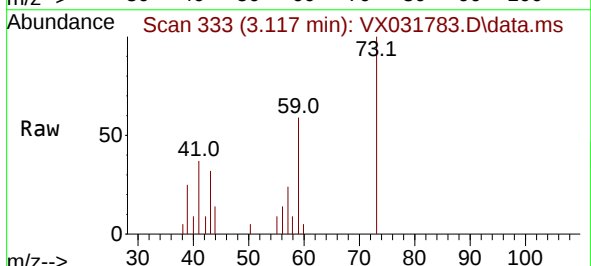
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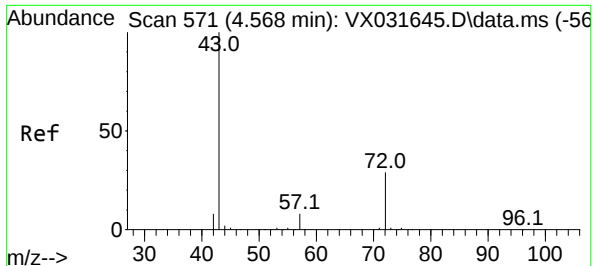
Reviewed By :John Carlone 09/30/2022
Supervised By :Mahesh Dadoda 10/06/2022



#19
Methyl tert-butyl Ether
Concen: 0.926 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

Tgt Ion: 73 Resp: 3265
Ion Ratio Lower Upper
73 100
57 19.5 17.2 25.8





#25

2-Butanone

Concen: 91.463 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031783.D

Acq: 29 Sep 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

220928033-02-VOA

Tgt Ion: 43 Resp: 6923

Ion Ratio Lower Upper

43 100

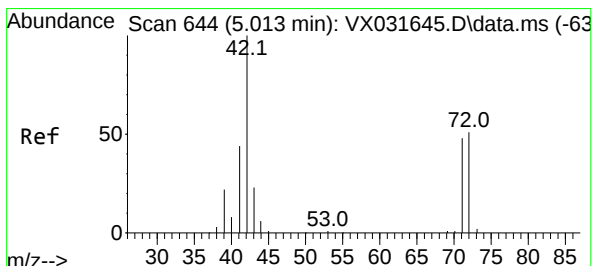
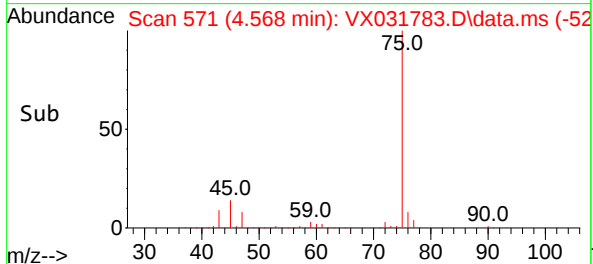
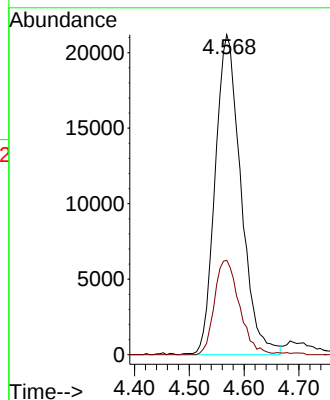
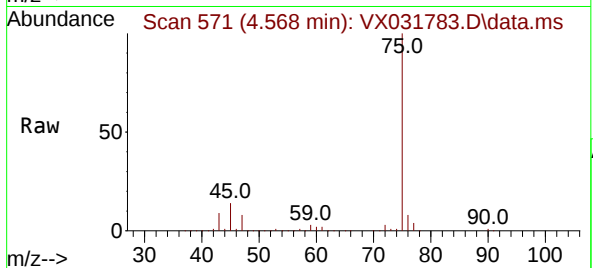
72 29.5 21.1 31.7

Manual Integrations

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#29

Tetrahydrofuran

Concen: 310.062 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX031783.D

Acq: 29 Sep 2022 19:01

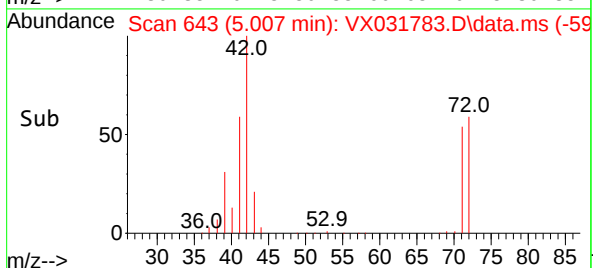
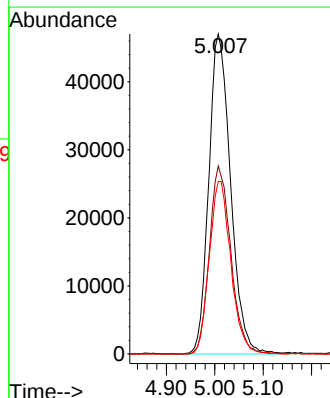
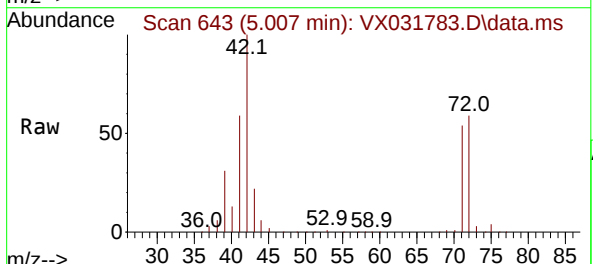
Tgt Ion: 42 Resp: 147440

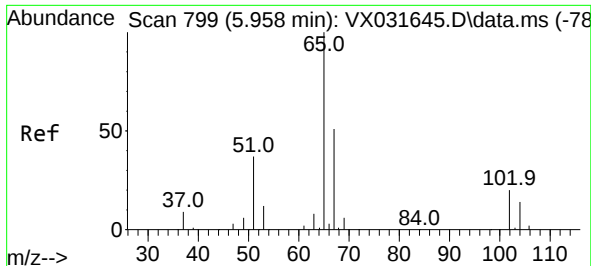
Ion Ratio Lower Upper

42 100

72 57.7 36.4 54.6#

71 53.4 33.5 50.3#





#33

1,2-Dichloroethane-d4

Concen: 45.621 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX031783.D

Acq: 29 Sep 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

220928033-02-VOA

Tgt Ion: 65 Resp: 7234

Ion Ratio Lower Upper

65 100

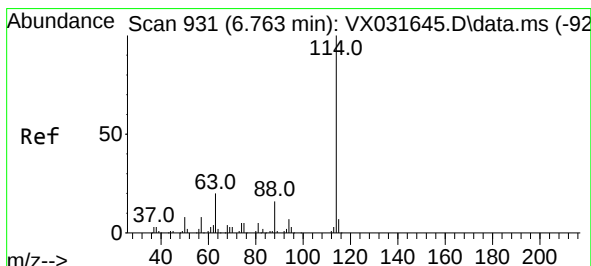
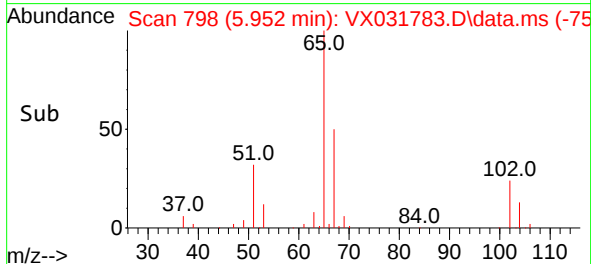
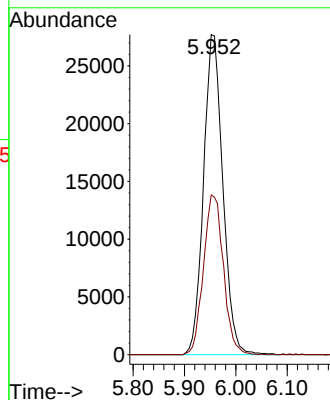
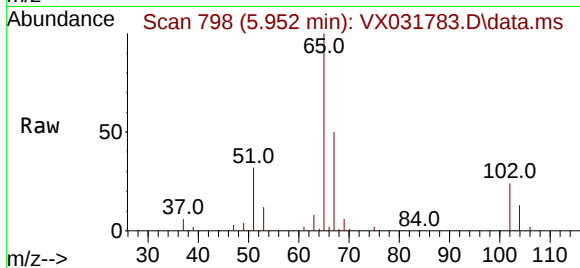
67 51.5 0.0 102.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031783.D

Acq: 29 Sep 2022 19:01

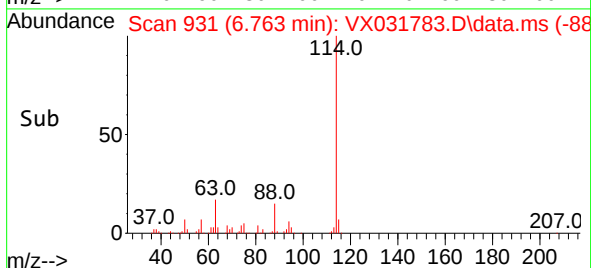
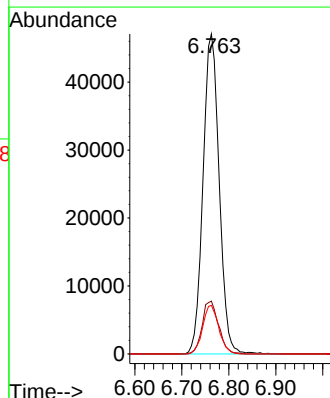
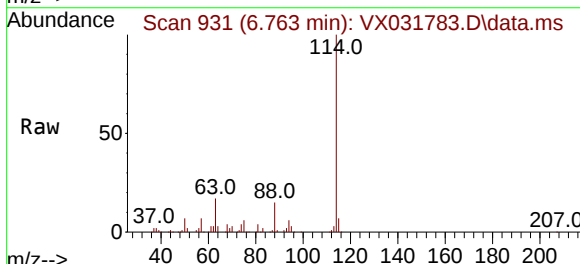
Tgt Ion:114 Resp: 112197

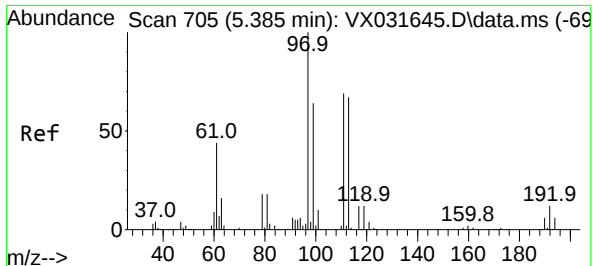
Ion Ratio Lower Upper

114 100

63 16.5 0.0 42.6

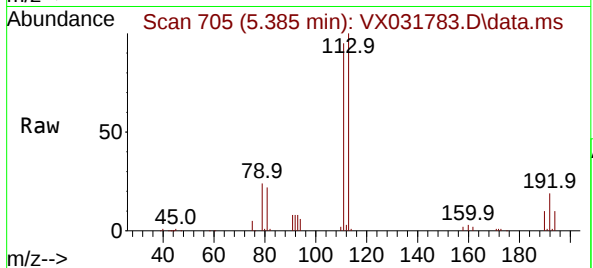
88 15.2 0.0 33.0





#35
Dibromofluoromethane
Concen: 49.011 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

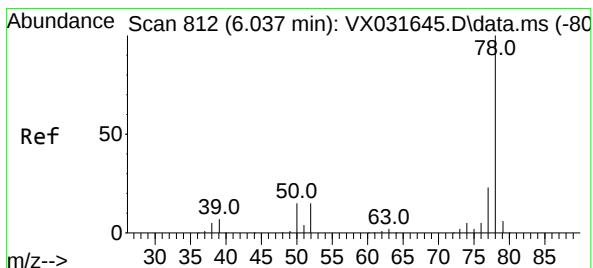
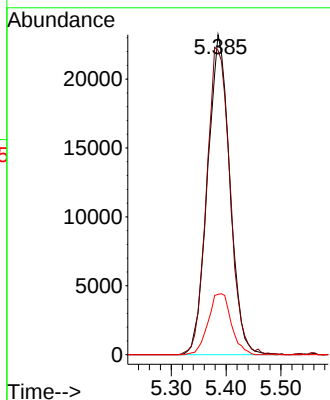
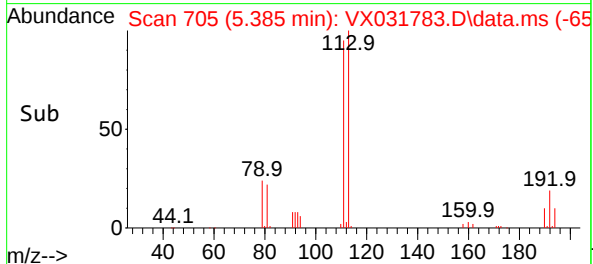
Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA



Tgt Ion:113 Resp: 65520
Ion Ratio Lower Upper
113 100
111 100.7 82.4 123.6
192 19.7 14.1 21.1

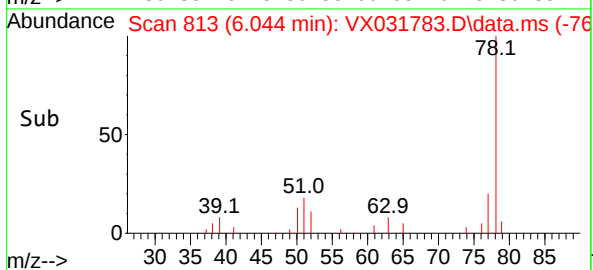
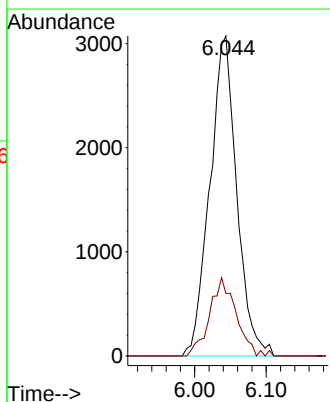
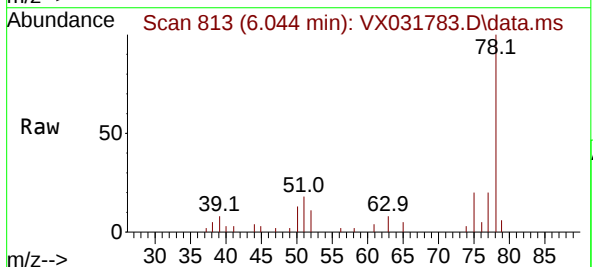
Manual Integrations
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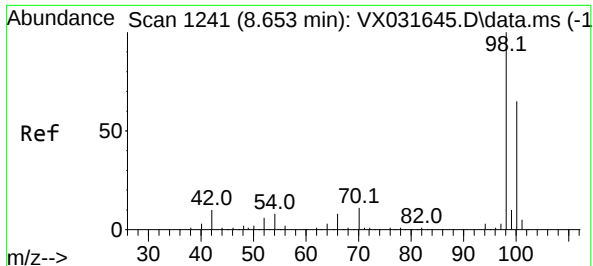
Reviewed By :John Carbone 09/30/2022
Supervised By :Mahesh Dadoda 10/06/2022



#40
Benzene
Concen: 1.704 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

Tgt Ion: 78 Resp: 8034
Ion Ratio Lower Upper
78 100
77 19.6 18.7 28.1





#50

Toluene-d8

Concen: 45.316 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX031783.D

Acq: 29 Sep 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

220928033-02-VOA

Tgt Ion: 98 Resp: 219628

Ion Ratio Lower Upper

98 100

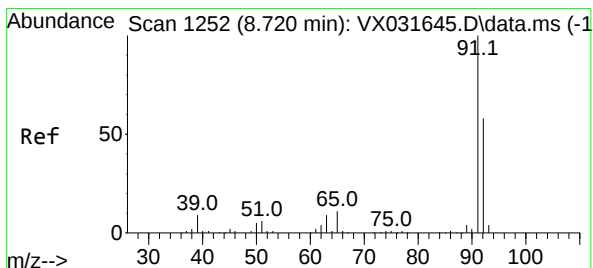
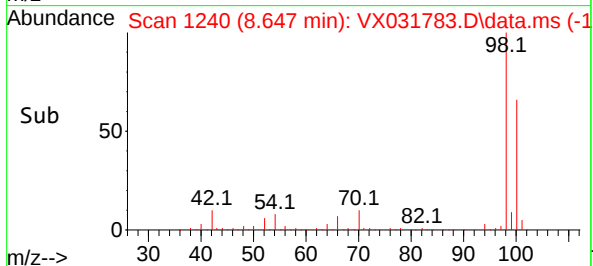
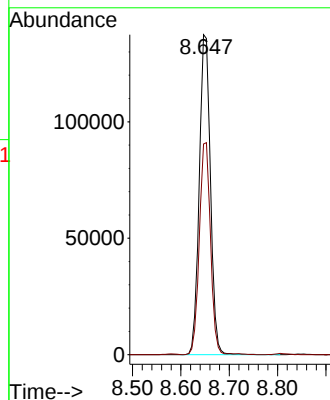
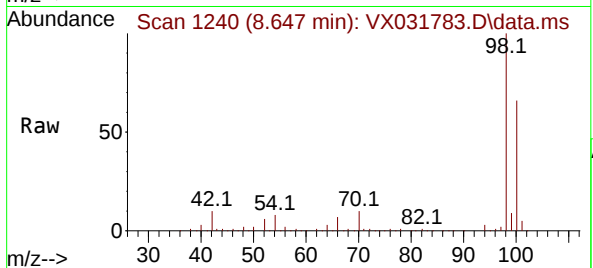
100 66.5 52.5 78.7

Manual Integrations

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#52

Toluene

Concen: 1.314 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX031783.D

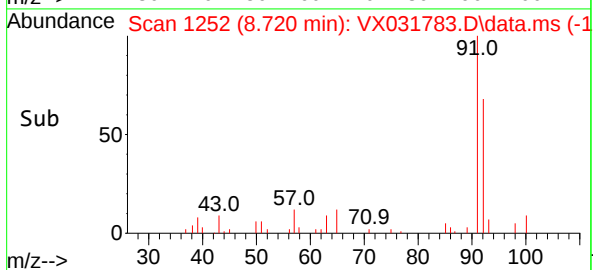
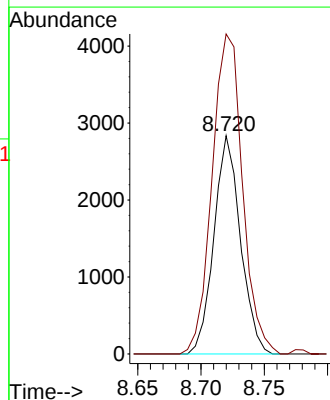
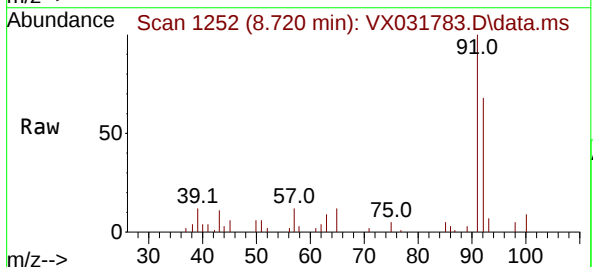
Acq: 29 Sep 2022 19:01

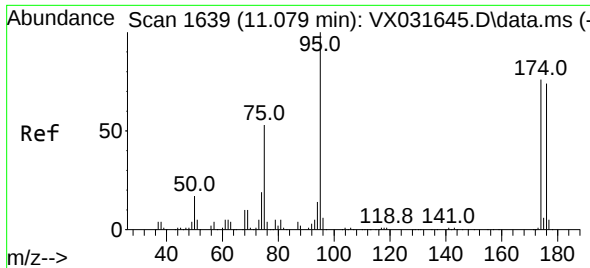
Tgt Ion: 92 Resp: 4130

Ion Ratio Lower Upper

92 100

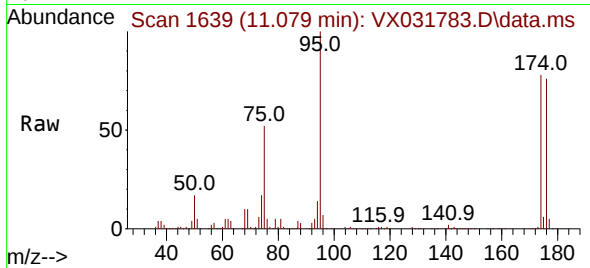
91 168.3 137.1 205.7





#62
4-Bromofluorobenzene
Concen: 44.911 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

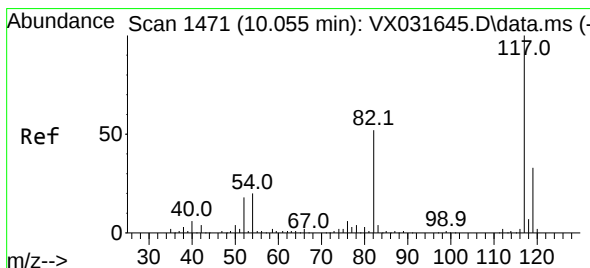
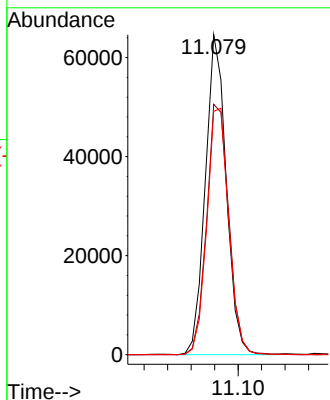
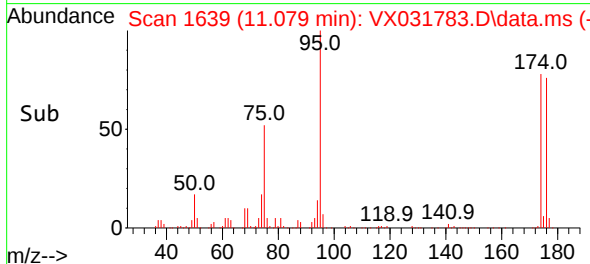
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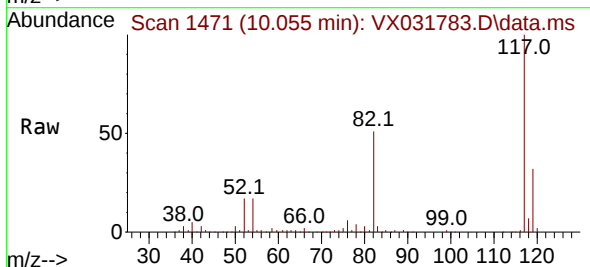
Tgt Ion: 95 Resp: 79779
Ion Ratio Lower Upper
95 100
174 83.1 0.0 153.2
176 80.9 0.0 144.0

Manual Integrations
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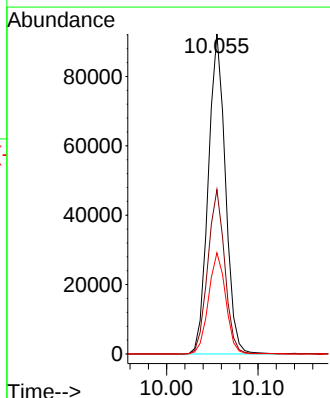
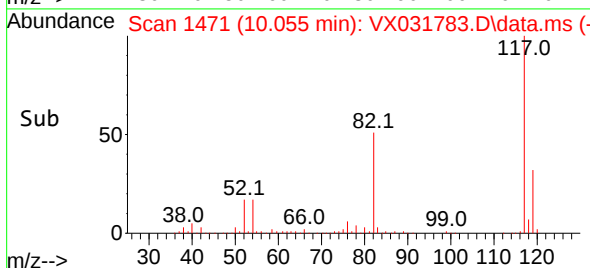
Reviewed By :John Carlone 09/30/2022
Supervised By :Mahesh Dadoda 10/06/2022

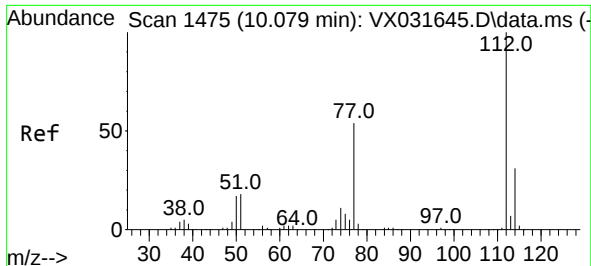


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01



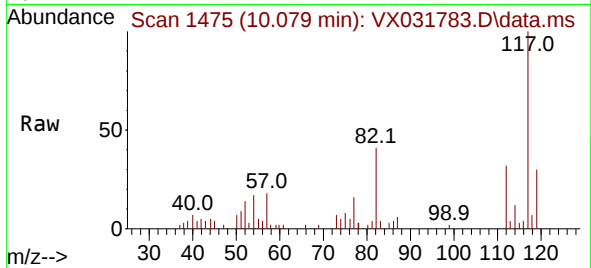
Tgt Ion:117 Resp: 119915
Ion Ratio Lower Upper
117 100
82 51.3 46.8 70.2
119 31.6 26.4 39.6





#65
Chlorobenzene
Concen: 0.433 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

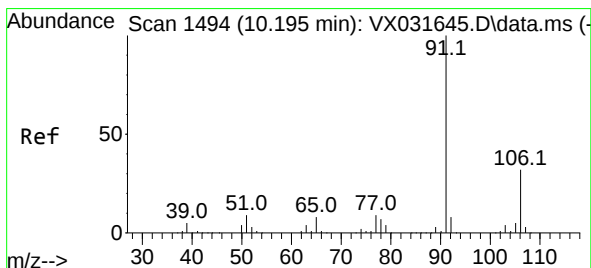
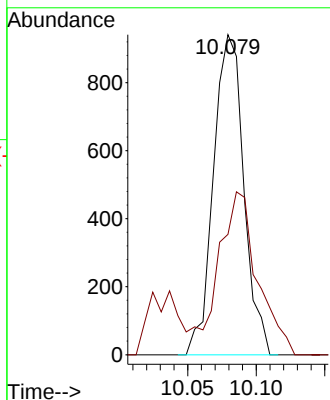
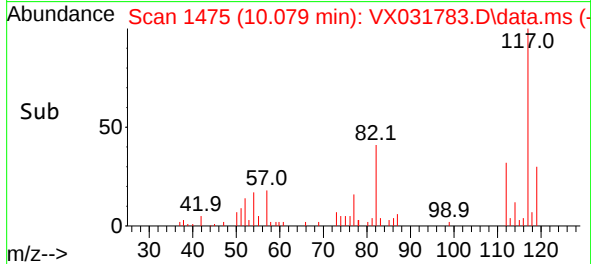
Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA



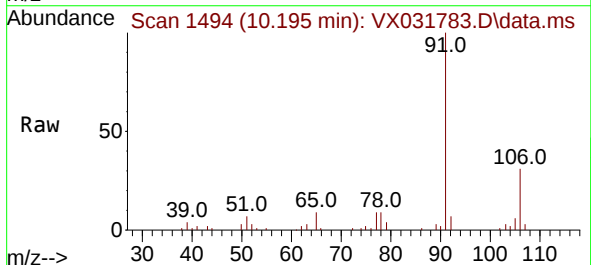
Tgt Ion:112 Resp: 144
Ion Ratio Lower Upper
112 100
114 28.7 25.7 38.5

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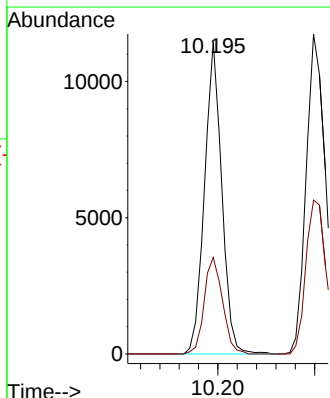
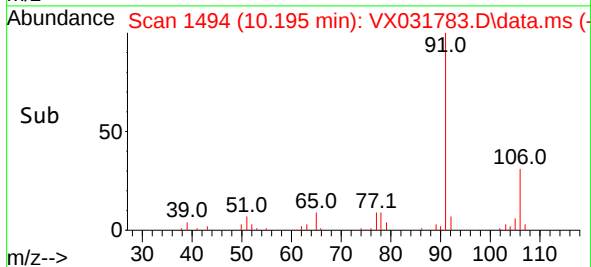
Reviewed By :John Carlone 09/30/2022
Supervised By :Mahesh Dadoda 10/06/2022

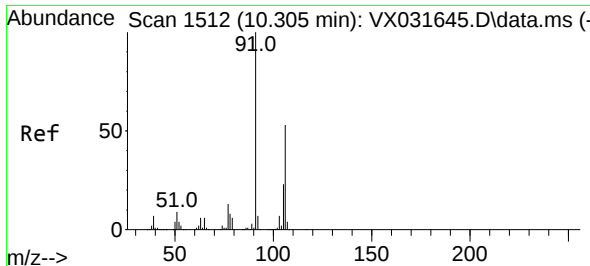


#67
Ethyl Benzene
Concen: 2.506 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01



Tgt Ion: 91 Resp: 14241
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8





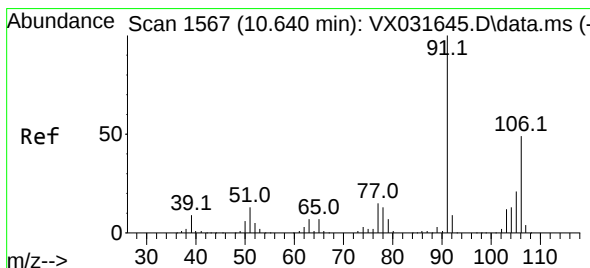
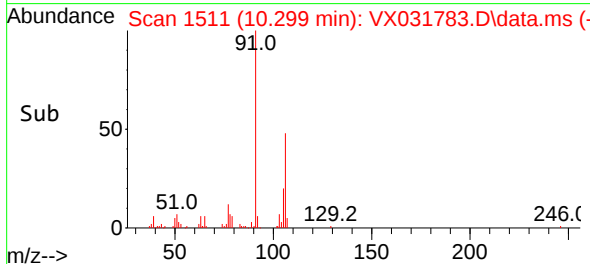
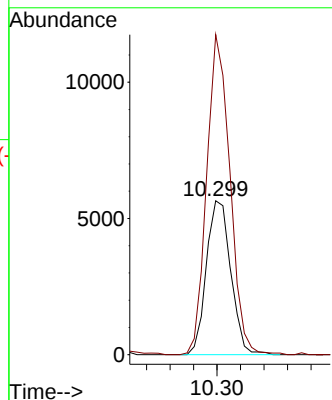
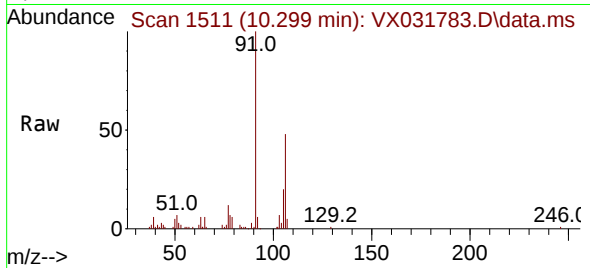
#68
m/p-Xylenes
Concen: 3.573 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA

Tgt Ion:106 Resp: 8158
Ion Ratio Lower Upper
106 100
91 198.3 161.0 241.4

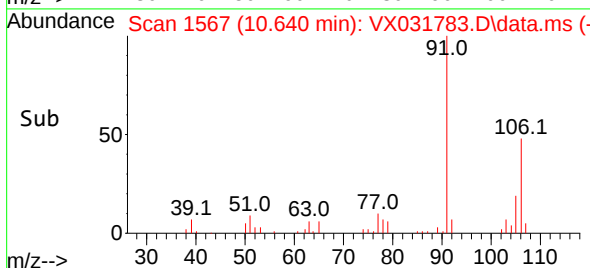
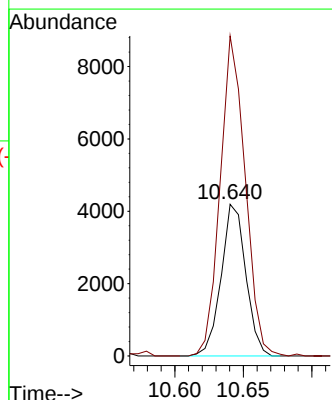
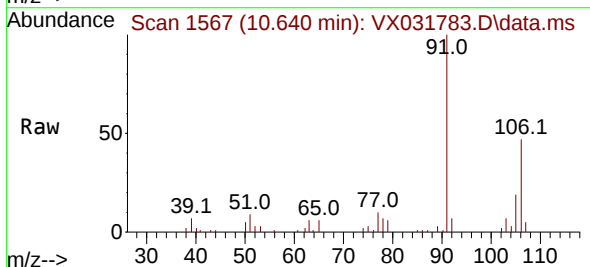
Manual Integrations
APPROVED

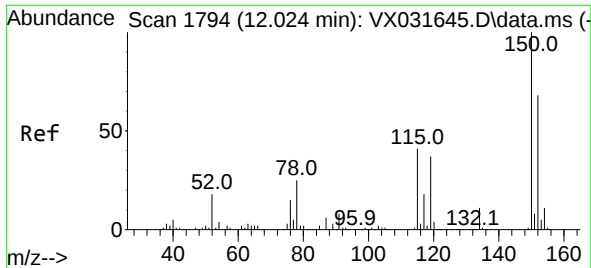
Reviewed By :John Carlone 09/30/2022
Supervised By :Mahesh Dadoda 10/06/2022



#69
o-Xylene
Concen: 2.357 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

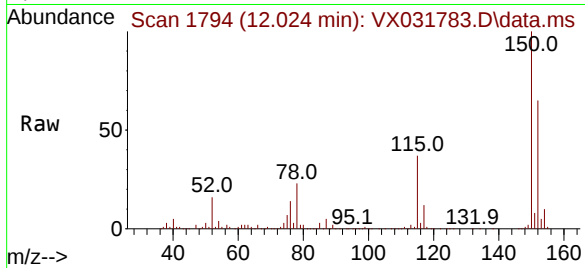
Tgt Ion:106 Resp: 5260
Ion Ratio Lower Upper
106 100
91 213.7 107.2 321.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

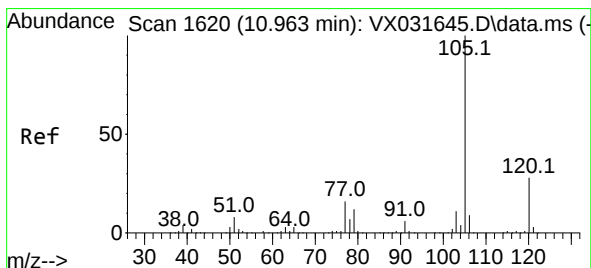
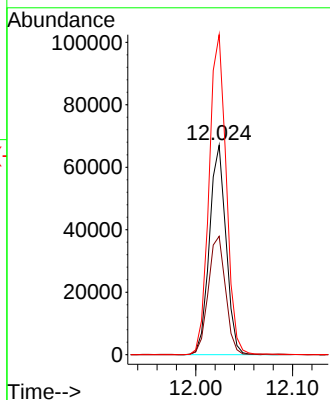
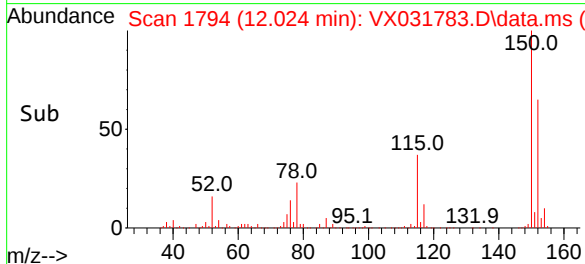
Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA



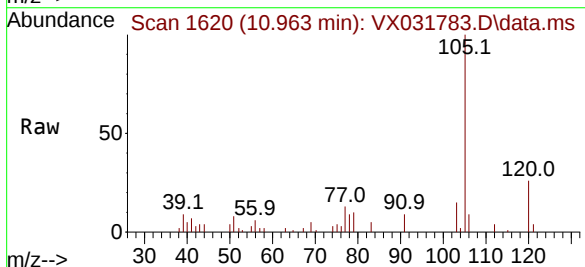
Tgt Ion:152 Resp: 8014
Ion Ratio Lower Upper
152 100
115 58.9 43.4 130.1
150 157.9 0.0 346.8

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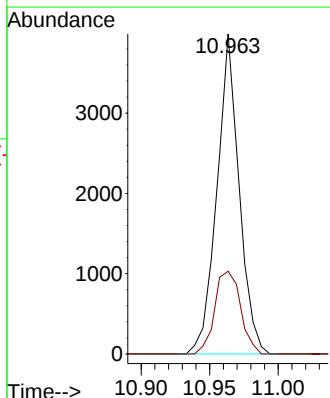
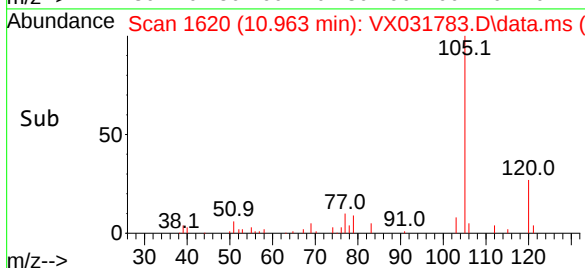
Reviewed By :John Carlone 09/30/2022
Supervised By :Mahesh Dadoda 10/06/2022

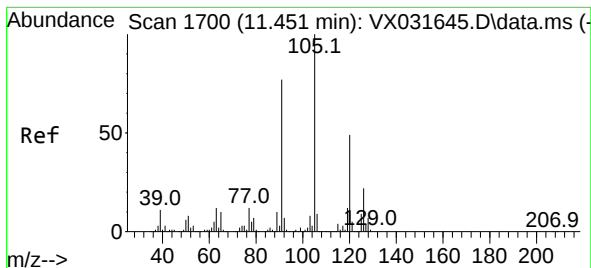


#73
Isopropylbenzene
Concen: 0.865 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01



Tgt Ion:105 Resp: 4485
Ion Ratio Lower Upper
105 100
120 30.0 13.7 41.0





#80

1,3,5-Trimethylbenzene

Concen: 0.451 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX031783.D

Acq: 29 Sep 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

220928033-02-VOA

Tgt Ion:105 Resp: 198

Ion Ratio Lower Upper

105 100

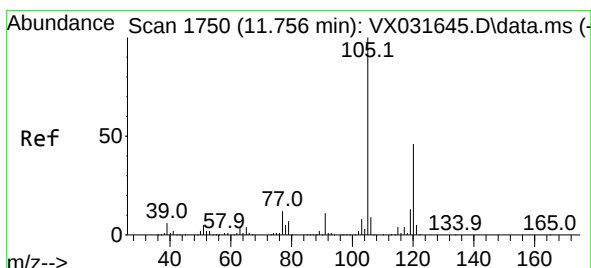
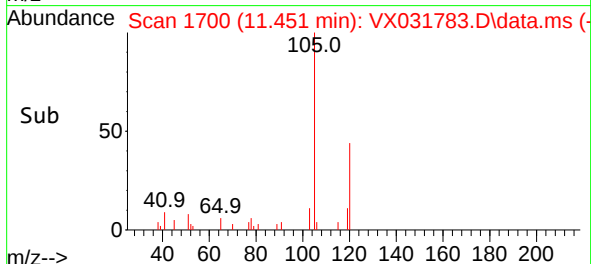
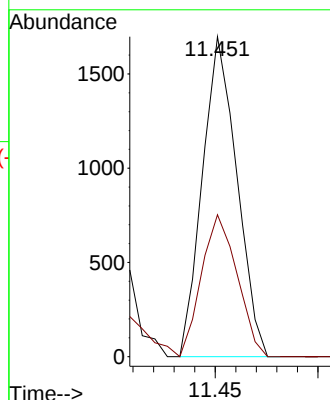
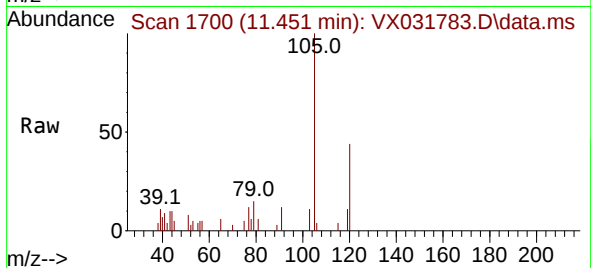
120 45.8 24.5 73.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/30/2022

Supervised By :Mahesh Dadoda 10/06/2022



#84

1,2,4-Trimethylbenzene

Concen: 1.474 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX031783.D

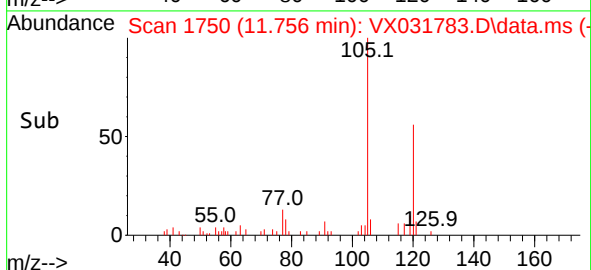
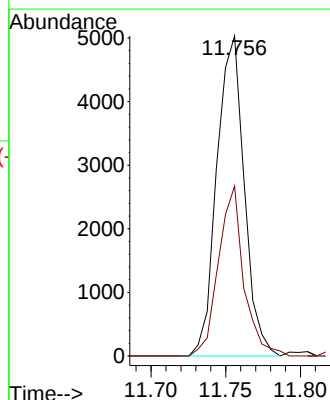
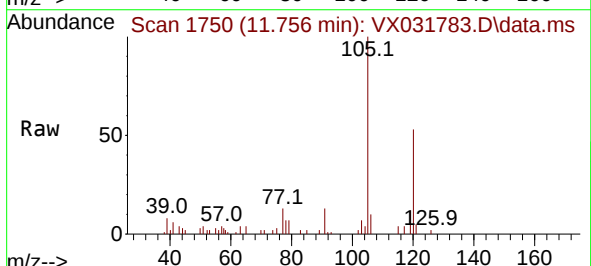
Acq: 29 Sep 2022 19:01

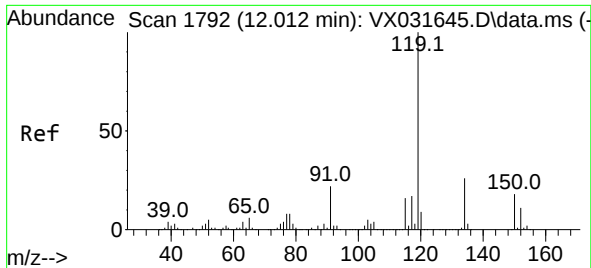
Tgt Ion:105 Resp: 6408

Ion Ratio Lower Upper

105 100

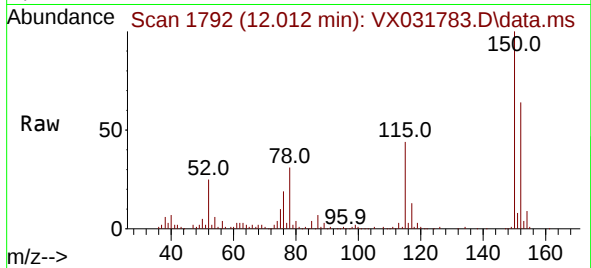
120 48.9 22.6 67.8





#86
p-Isopropyltoluene
Concen: 0.321 ug/l m
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

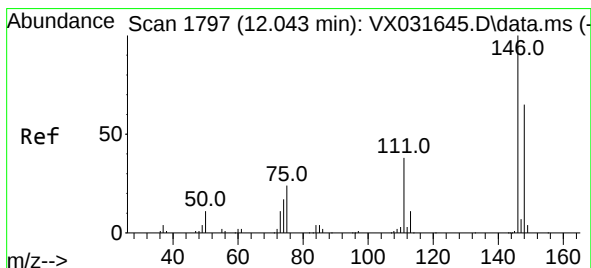
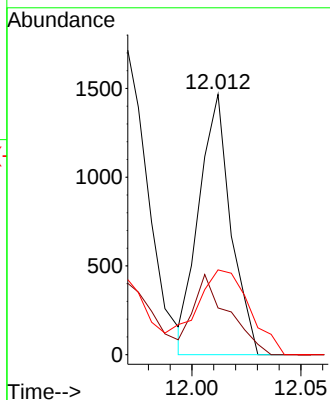
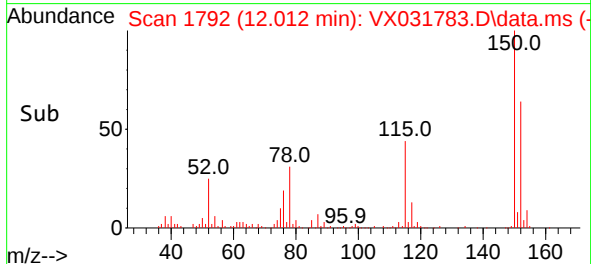
Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA



Tgt Ion:119 Resp: 1489
Ion Ratio Lower Upper
119 100
134 39.0 13.4 40.2
91 38.4 12.4 37.2

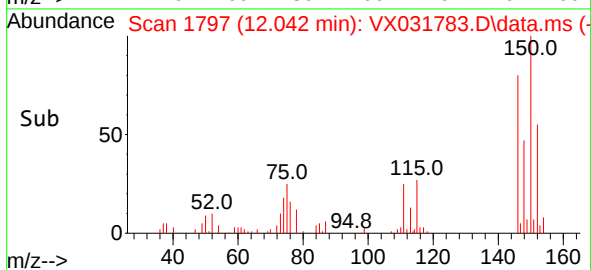
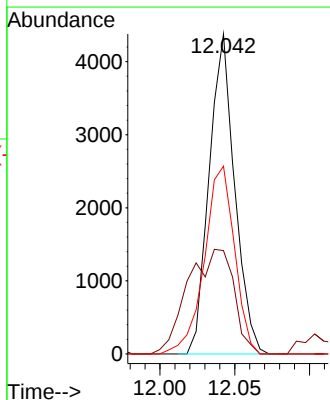
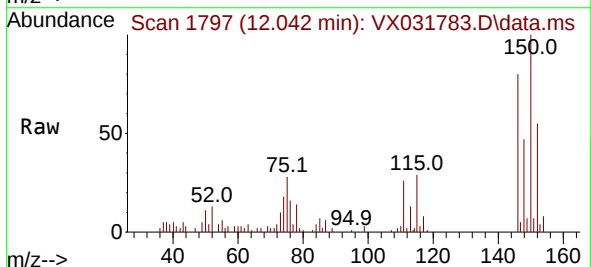
Manual Integrations
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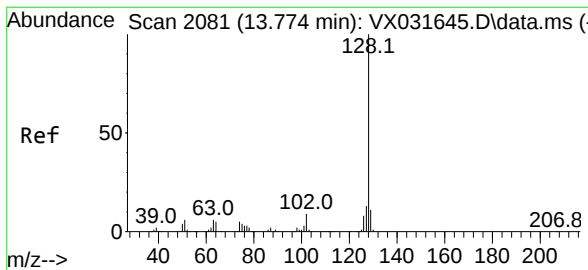
Reviewed By :John Carlone 09/30/2022
Supervised By :Mahesh Dadoda 10/06/2022



#88
1,4-Dichlorobenzene
Concen: 1.944 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.001 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

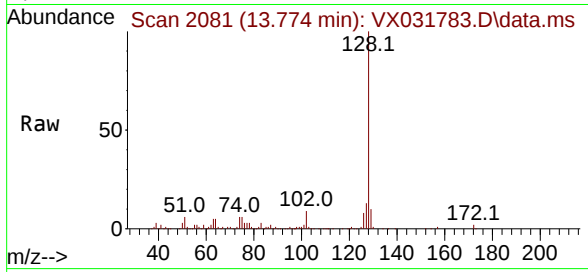
Tgt Ion:146 Resp: 5198
Ion Ratio Lower Upper
146 100
111 59.0 20.5 61.5
148 69.2 32.0 96.2





#95
Naphthalene
Concen: 11.642 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX031783.D
Acq: 29 Sep 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :
220928033-02-VOA



Tgt Ion:128 Resp: 58169
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.3 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 09/30/2022
Supervised By :Mahesh Dadoda 10/06/2022

