

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
 Data File : VX034722.D
 Acq On : 24 Mar 2023 15:42
 Operator : JC/MD
 Sample : 02073-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1717

Quant Time: Mar 27 01:31:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/27/2023
 Supervised By : Mahesh Dadoda 03/27/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	312033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	530694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	479550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	232348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	225747	49.730	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.460%		
35) Dibromofluoromethane	5.385	113	165651	47.276	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.560%		
50) Toluene-d8	8.647	98	638026	48.778	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.560%		
62) 4-Bromofluorobenzene	11.079	95	254901	48.245	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.500%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	5454	5.770	ug/l #	73
16) Acetone	2.392	43	34967	16.353	ug/l	89
19) Methyl tert-butyl Ether	3.105	73	6518	0.533	ug/l #	75
39) Methylcyclohexane	7.379	83	2171	0.337	ug/l	90
40) Benzene	6.037	78	315372	20.032	ug/l	100
52) Toluene	8.726	92	9216460	945.566	ug/l	80
67) Ethyl Benzene	10.195	91	1762991	93.596	ug/l	100
68) m/p-Xylenes	10.299	106	2635646	364.250	ug/l	95
69) o-Xylene	10.640	106	1705939	234.932	ug/l	97
73) Isopropylbenzene	10.963	105	338023	18.823	ug/l	99
78) n-propylbenzene	11.305	91	288323	13.902	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	686431	45.573	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	3172266	206.076	ug/l	98
86) p-Isopropyltoluene	12.006	119	27410m	1.757	ug/l	
89) n-Butylbenzene	12.323	91	126785	9.140	ug/l #	18
95) Naphthalene	13.774	128	1557122	91.019	ug/l	99

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

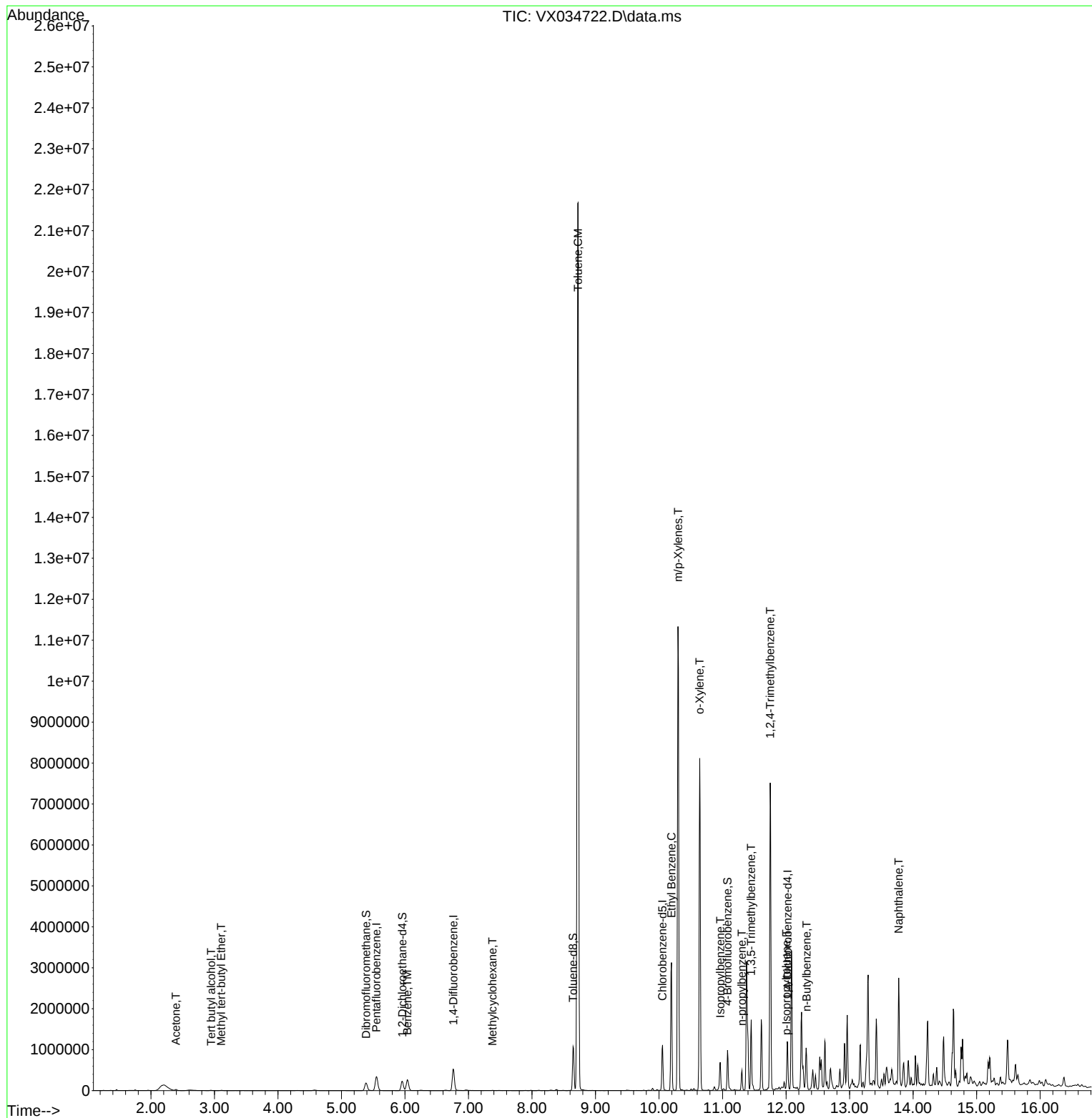
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032423\
Data File : VX034722.D
Acq On : 24 Mar 2023 15:42
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Quant Time: Mar 27 01:31:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

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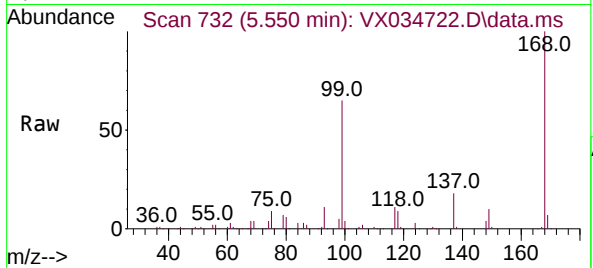
Reviewed By : John Carlone 03/27/2023
Supervised By : Mahesh Dadoda 03/27/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

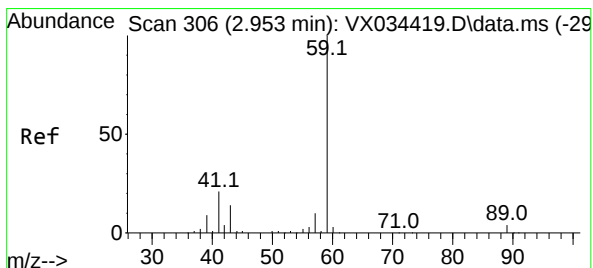
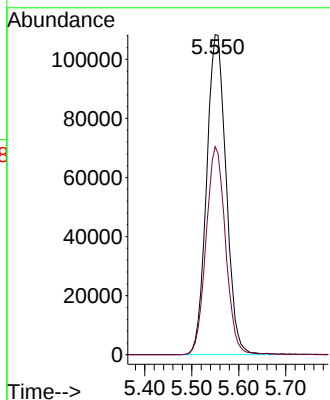
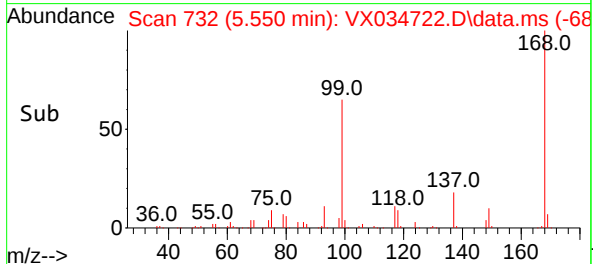
Instrument :
MSVOA_X
ClientSampleId :
TRE-1717



Tgt Ion:168 Resp: 31203
Ion Ratio Lower Upper
168 100
99 65.0 45.7 68.5

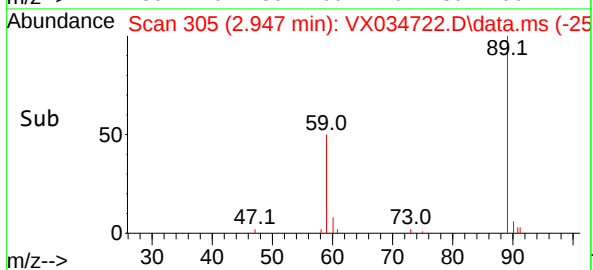
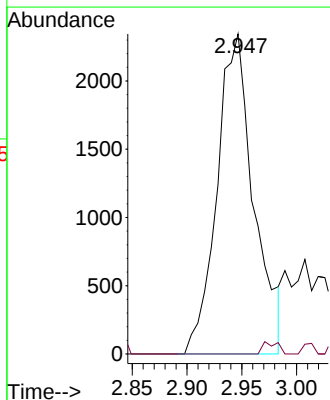
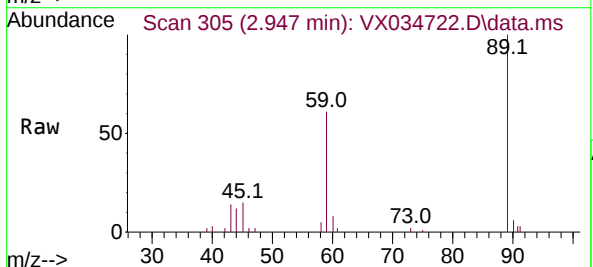
Manual Integrations
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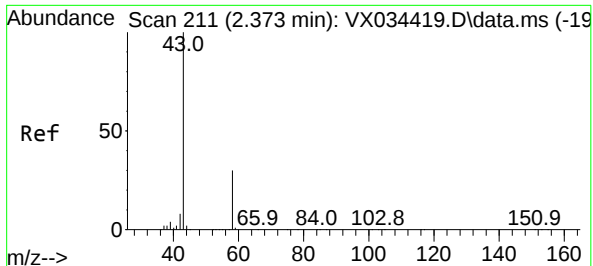
Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023



#11
Tert butyl alcohol
Concen: 5.770 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

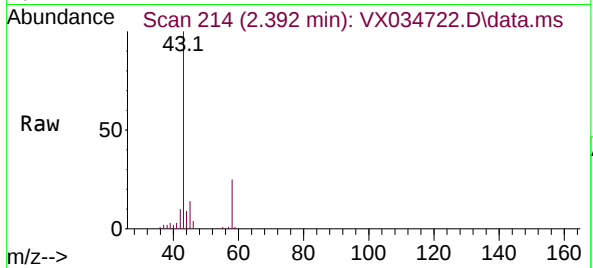
Tgt Ion: 59 Resp: 5454
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16
Acetone
Concen: 16.353 ug/l
RT: 2.392 min Scan# 211
Delta R.T. 0.018 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

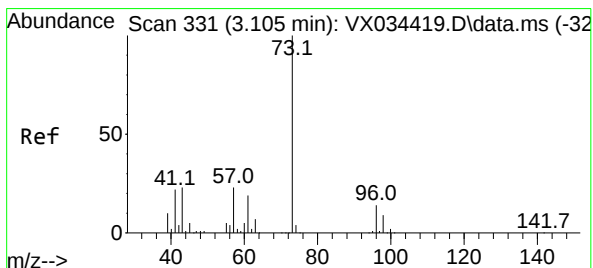
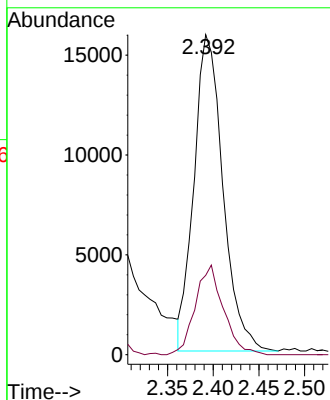
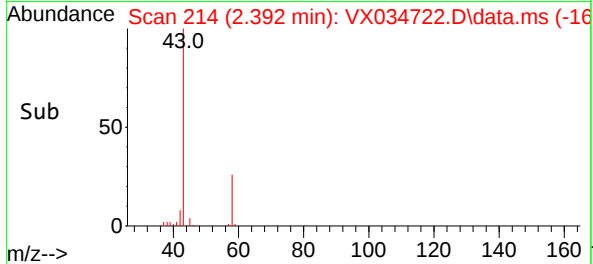
Instrument :
MSVOA_X
ClientSampleId :
TRE-1717



Tgt Ion: 43 Resp: 3496
Ion Ratio Lower Upper
43 100
58 25.1 24.7 37.1

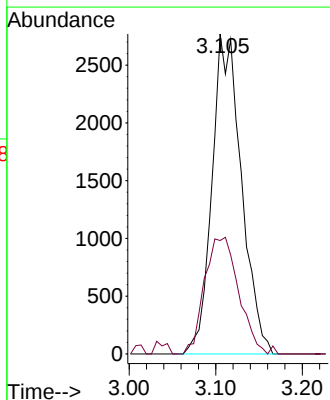
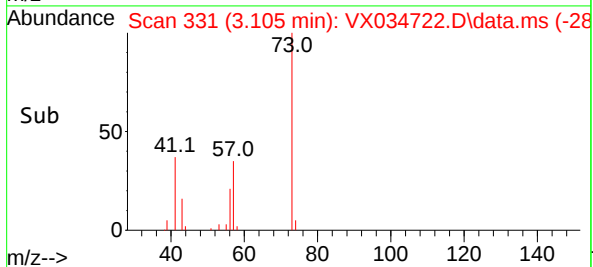
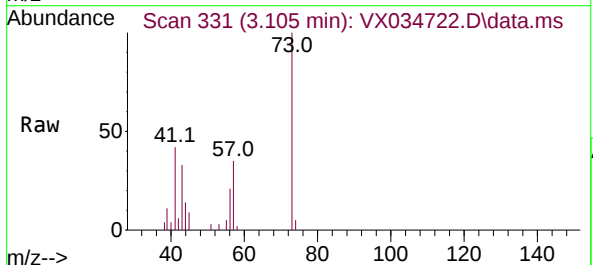
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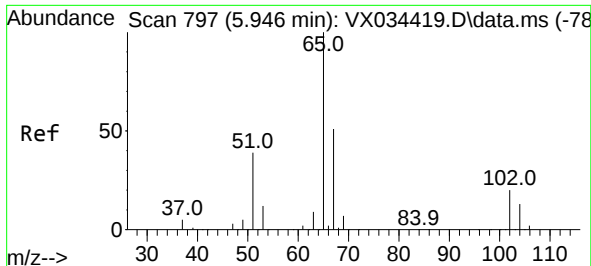
Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023



#19
Methyl tert-butyl Ether
Concen: 0.533 ug/l
RT: 3.105 min Scan# 331
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

Tgt Ion: 73 Resp: 6518
Ion Ratio Lower Upper
73 100
57 35.5 18.5 27.7#





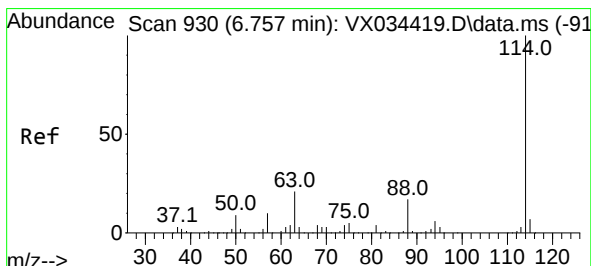
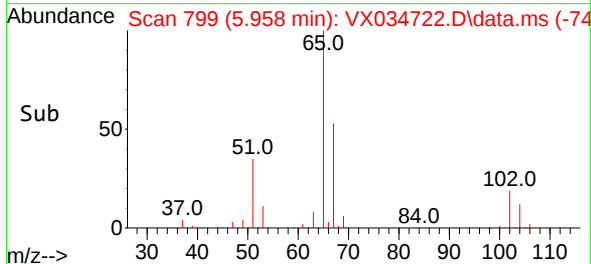
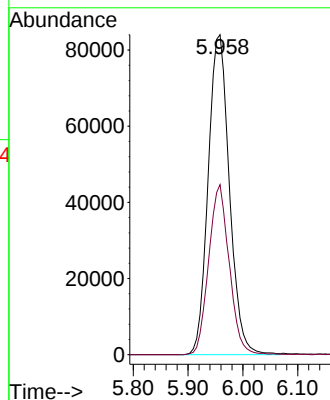
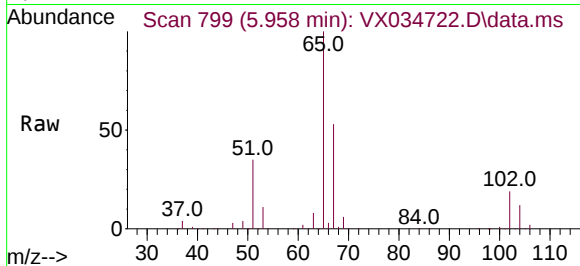
#33
 1,2-Dichloroethane-d4
 Concen: 49.730 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: VX034722.D
 Acq: 24 Mar 2023 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1717

Tgt Ion: 65 Resp: 22574
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0

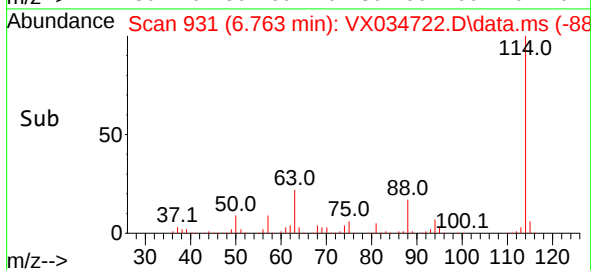
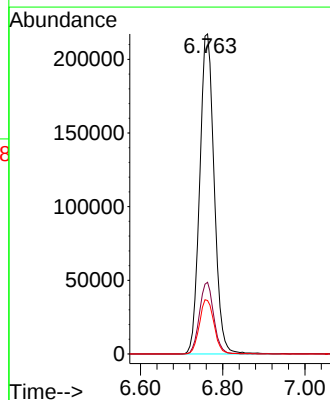
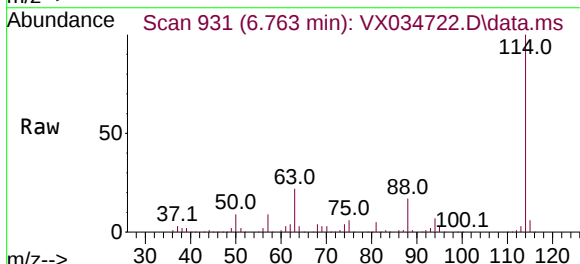
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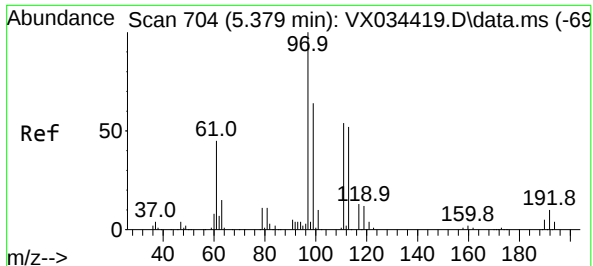
Reviewed By :John Carlone 03/27/2023
 Supervised By :Mahesh Dadoda 03/27/2023



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034722.D
 Acq: 24 Mar 2023 15:42

Tgt Ion:114 Resp: 530694
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.2
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.276 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034722.D

Acq: 24 Mar 2023 15:42

Instrument :

MSVOA_X

ClientSampleId :

TRE-1717

Tgt Ion:113 Resp: 16565

Ion Ratio Lower Upper

113 100

111 103.2 83.7 125.5

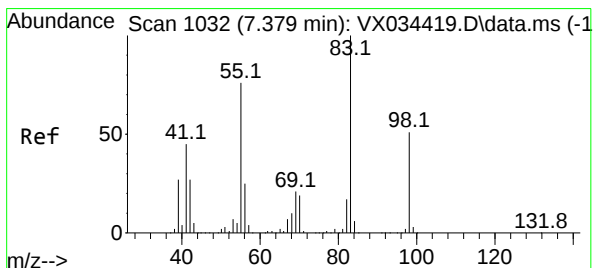
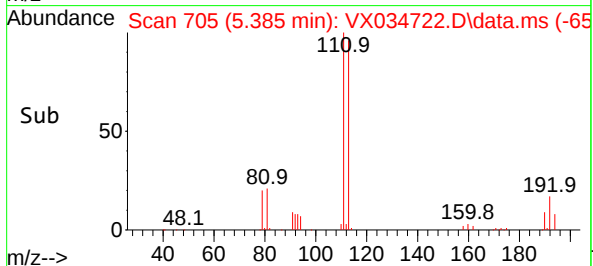
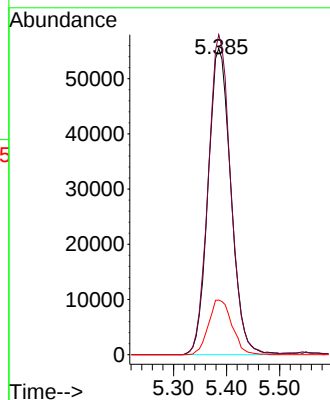
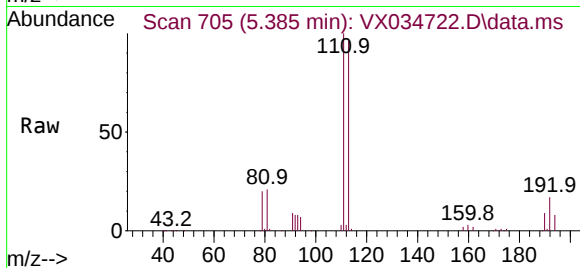
192 18.4 15.4 23.2

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Reviewed By :John Carlone 03/27/2023

Supervised By :Mahesh Dadoda 03/27/2023



#39

Methylcyclohexane

Concen: 0.337 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX034722.D

Acq: 24 Mar 2023 15:42

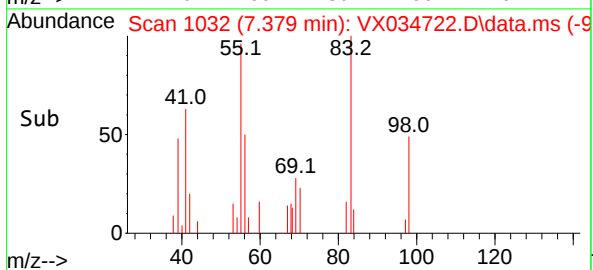
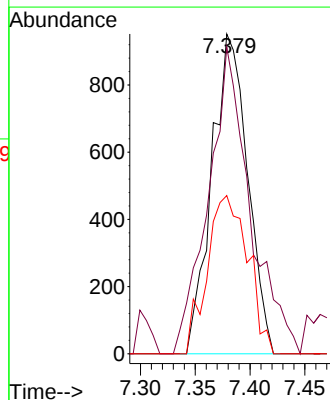
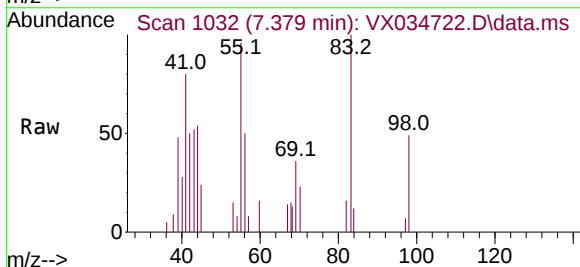
Tgt Ion: 83 Resp: 2171

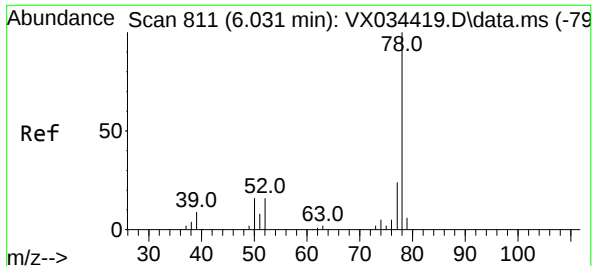
Ion Ratio Lower Upper

83 100

55 88.4 60.5 90.7

98 49.5 40.4 60.6





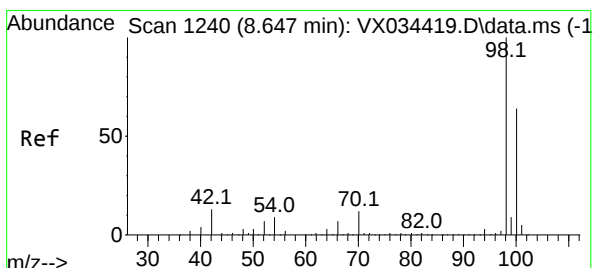
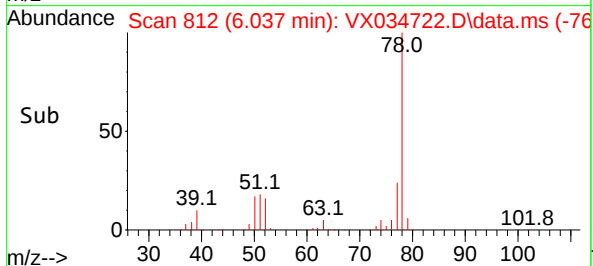
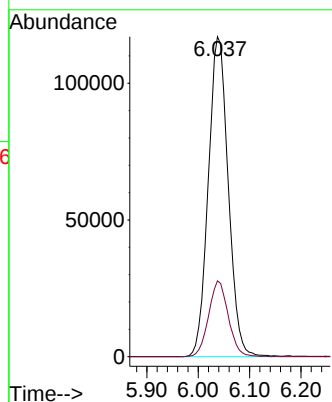
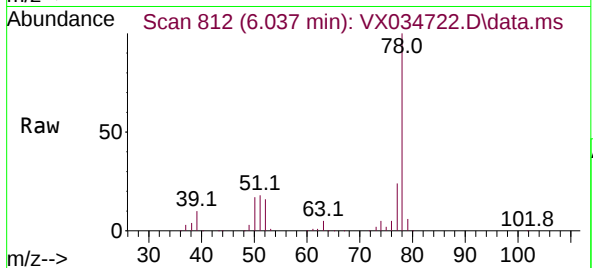
#40
Benzene
Concen: 20.032 ug/l
RT: 6.037 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

Instrument :
MSVOA_X
ClientSampleId :
TRE-1717

Tgt Ion: 78 Resp: 315372
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

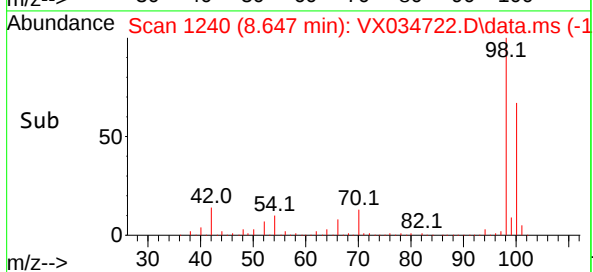
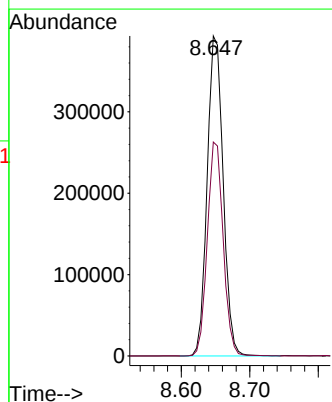
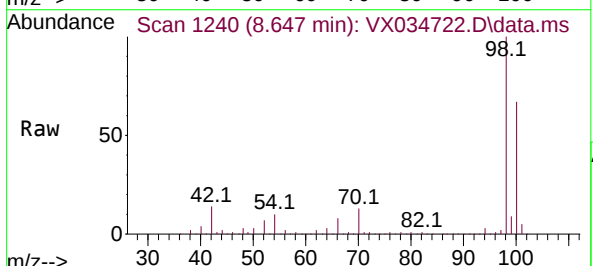
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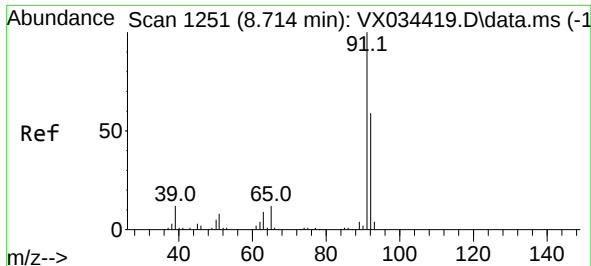
Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023



#50
Toluene-d8
Concen: 48.778 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

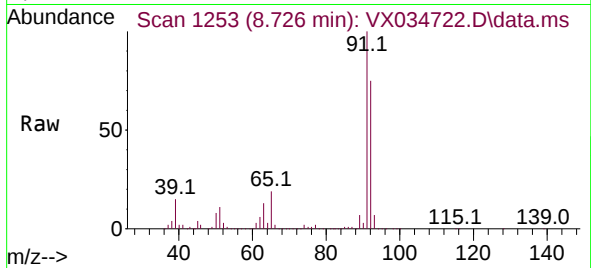
Tgt Ion: 98 Resp: 638026
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7





#52
Toluene
Concen: 945.566 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

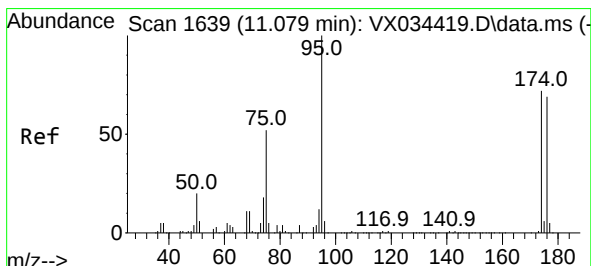
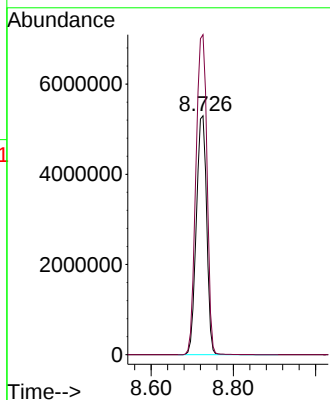
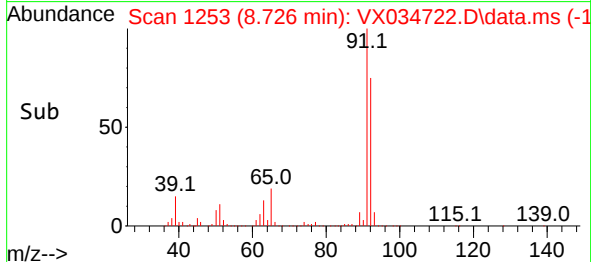
Instrument :
MSVOA_X
ClientSampleId :
TRE-1717



Tgt Ion: 92 Resp: 921646
Ion Ratio Lower Upper
92 100
91 143.8 136.8 205.2

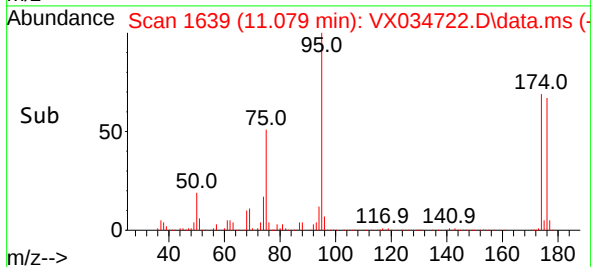
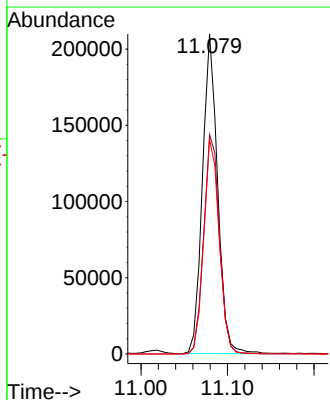
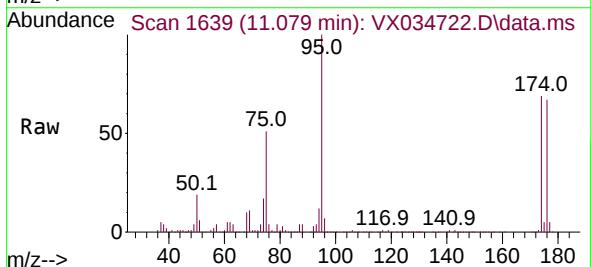
Manual Integrations
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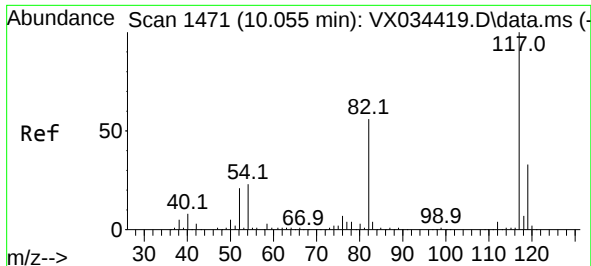
Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023



#62
4-Bromofluorobenzene
Concen: 48.245 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

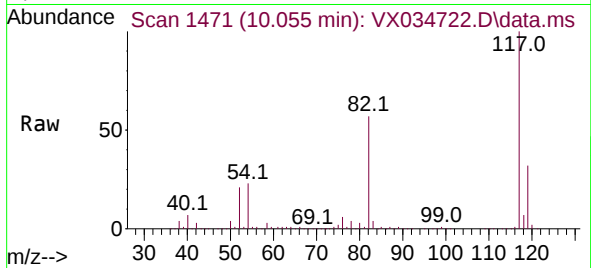
Tgt Ion: 95 Resp: 254901
Ion Ratio Lower Upper
95 100
174 71.2 0.0 147.4
176 68.4 0.0 140.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

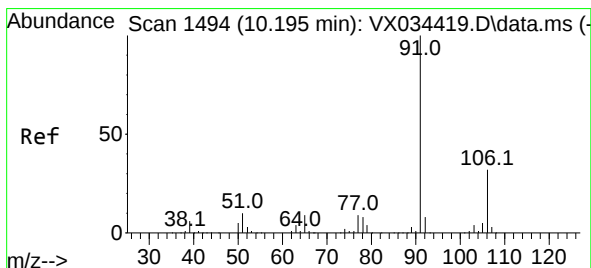
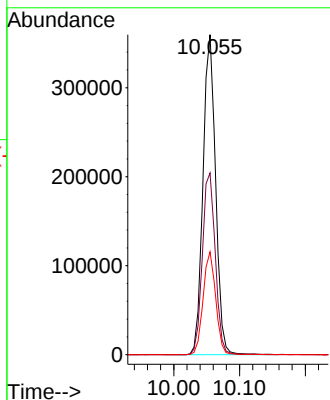
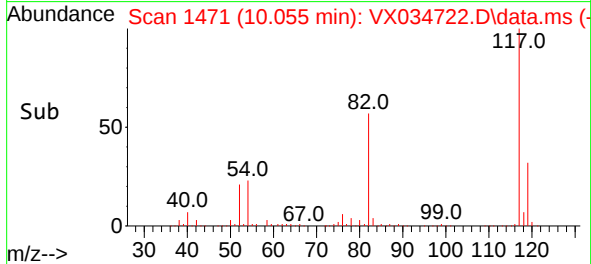
Instrument :
MSVOA_X
ClientSampleId :
TRE-1717



Tgt Ion:117 Resp: 479550
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 32.2 26.0 39.0

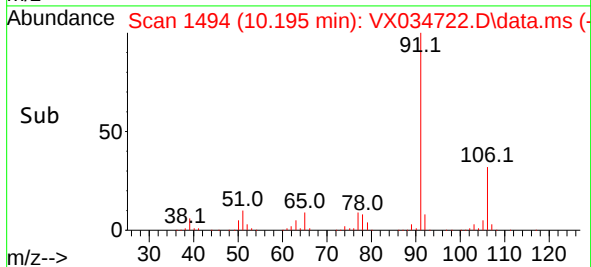
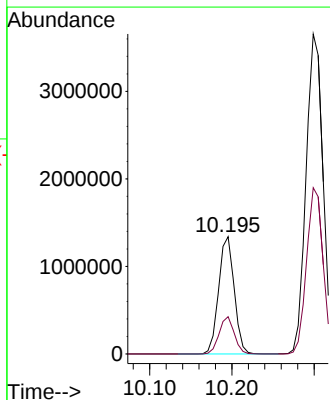
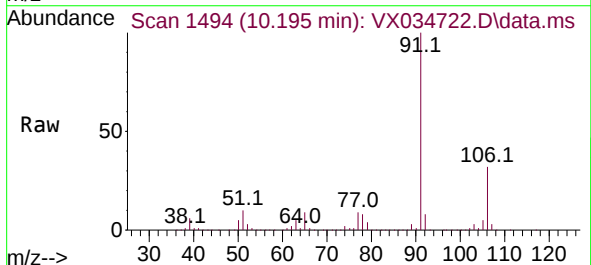
Manual Integrations
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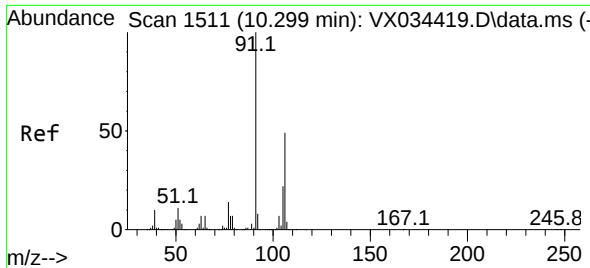
Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023



#67
Ethyl Benzene
Concen: 93.596 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

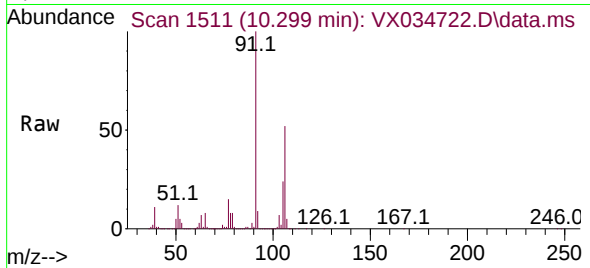
Tgt Ion: 91 Resp: 1762991
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4





#68
m/p-Xylenes
Concen: 364.250 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

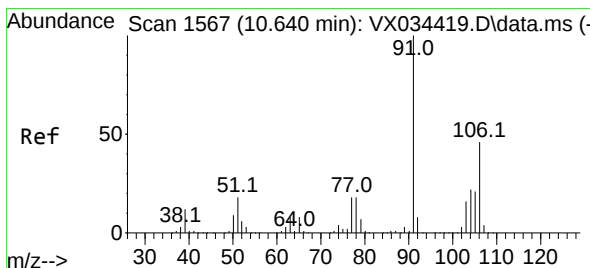
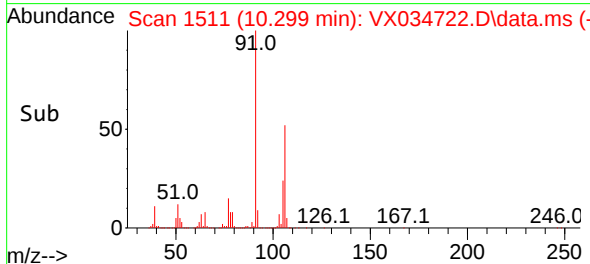
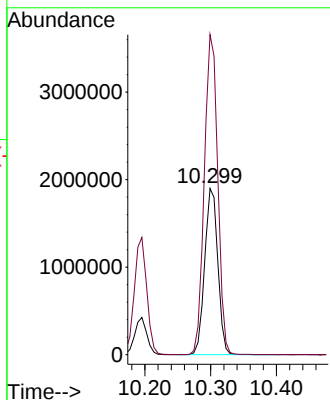
Instrument :
MSVOA_X
ClientSampleId :
TRE-1717



Tgt Ion:106 Resp: 2635640
Ion Ratio Lower Upper
106 100
91 197.1 164.0 246.0

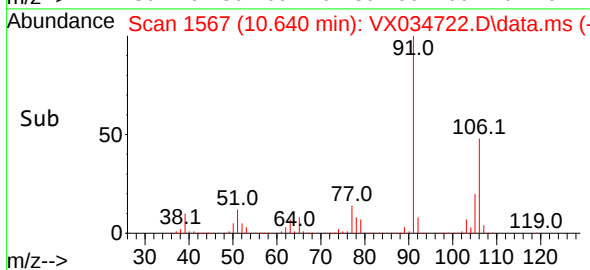
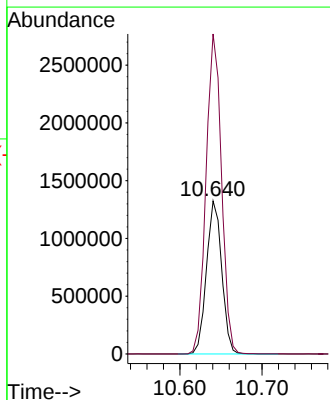
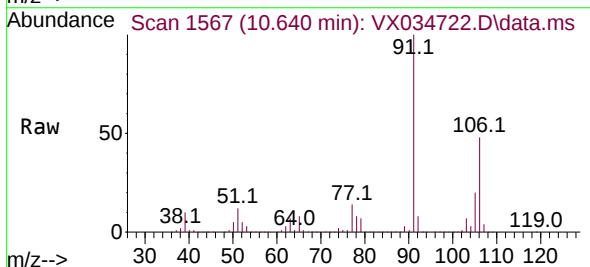
Manual Integrations
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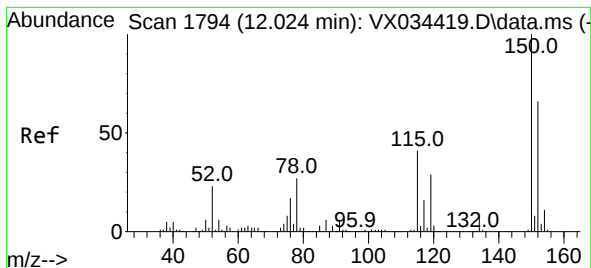
Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023



#69
o-Xylene
Concen: 234.932 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

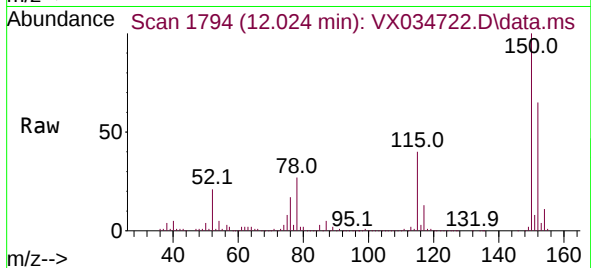
Tgt Ion:106 Resp: 1705939
Ion Ratio Lower Upper
106 100
91 212.3 108.5 325.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

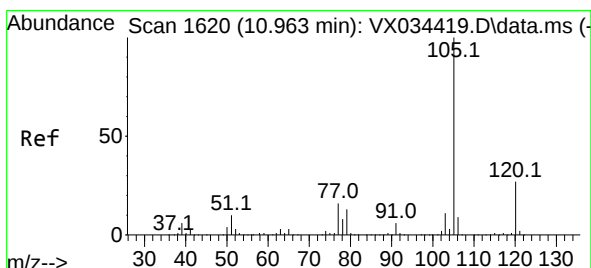
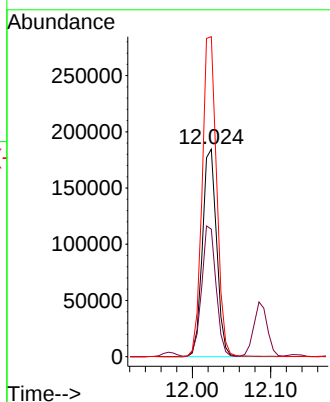
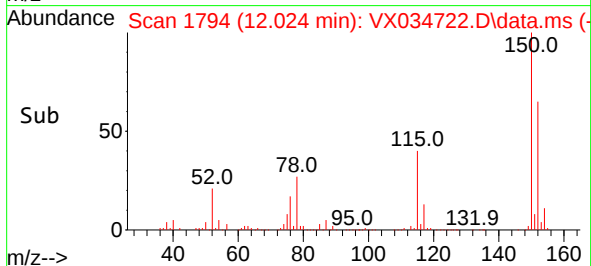
Instrument :
MSVOA_X
ClientSampleId :
TRE-1717



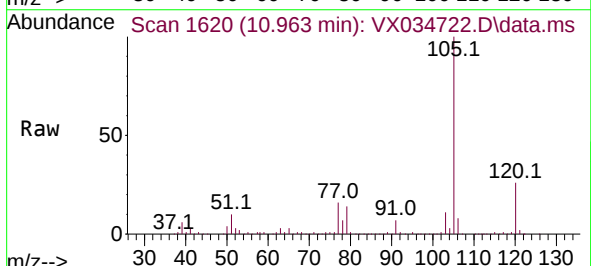
Tgt Ion:152 Resp: 232348
Ion Ratio Lower Upper
152 100
115 63.1 45.0 135.0
150 157.1 0.0 352.4

Manual Integrations
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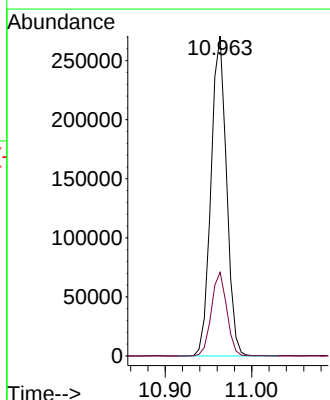
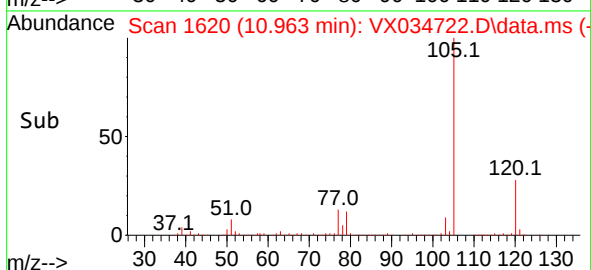
Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023

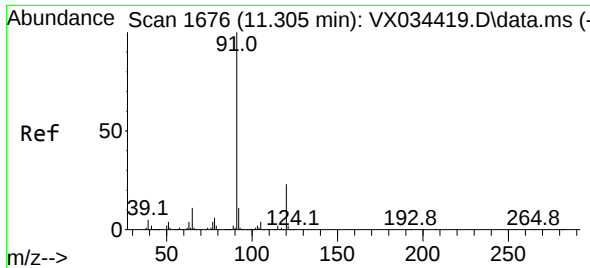


#73
Isopropylbenzene
Concen: 18.823 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42



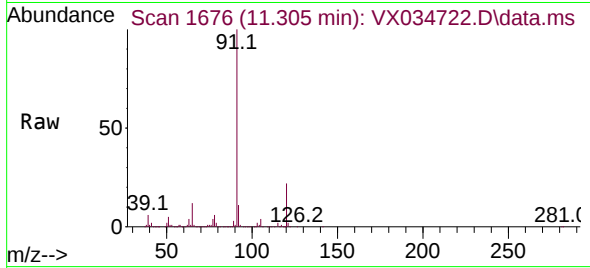
Tgt Ion:105 Resp: 338023
Ion Ratio Lower Upper
105 100
120 25.9 13.3 39.9





#78
n-propylbenzene
Concen: 13.902 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

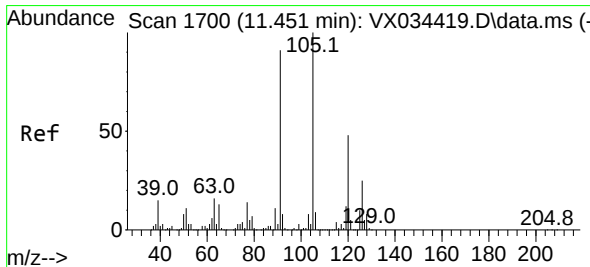
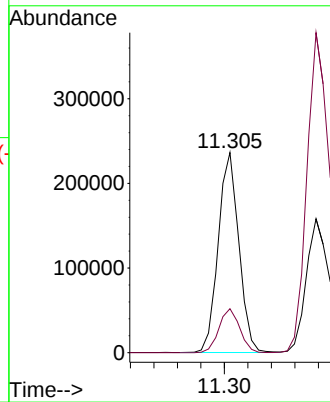
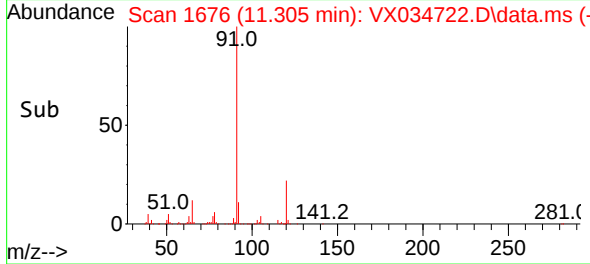
Instrument :
MSVOA_X
ClientSampleId :
TRE-1717



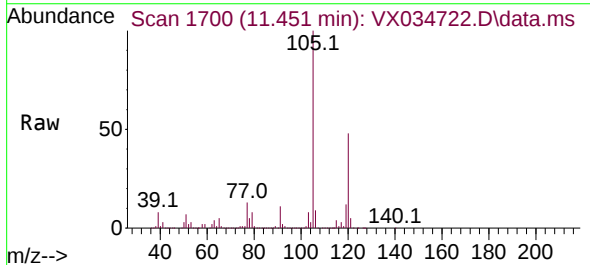
Tgt Ion: 91 Resp: 28832
Ion Ratio Lower Upper
91 100
120 22.2 11.5 34.5

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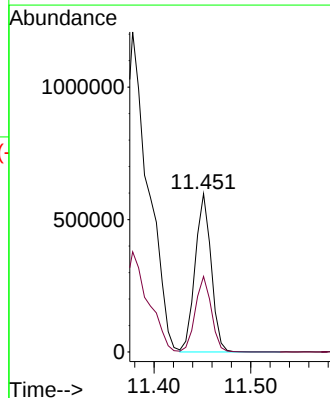
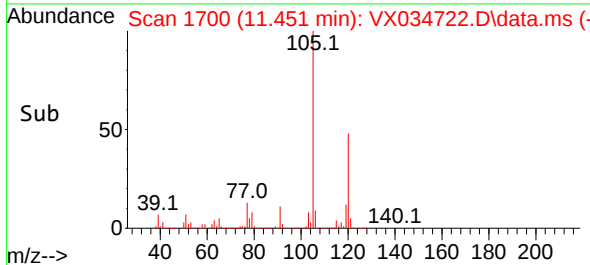
Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023

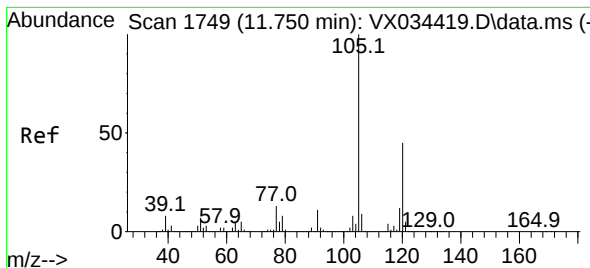


#80
1,3,5-Trimethylbenzene
Concen: 45.573 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42



Tgt Ion:105 Resp: 686431
Ion Ratio Lower Upper
105 100
120 47.5 23.7 71.1





#84

1,2,4-Trimethylbenzene

Concen: 206.076 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX034722.D

Acq: 24 Mar 2023 15:42

Instrument :

MSVOA_X

ClientSampleId :

TRE-1717

Tgt Ion:105 Resp: 317226

Ion Ratio Lower Upper

105 100

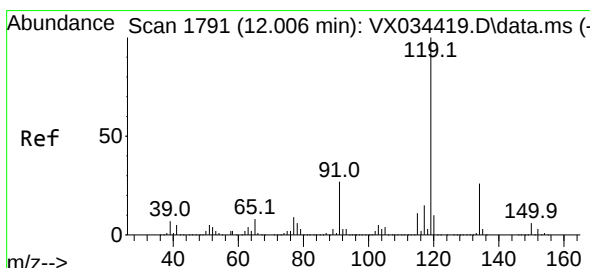
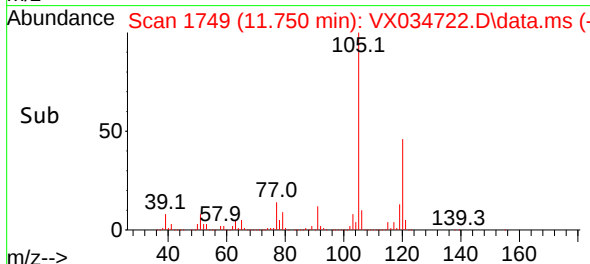
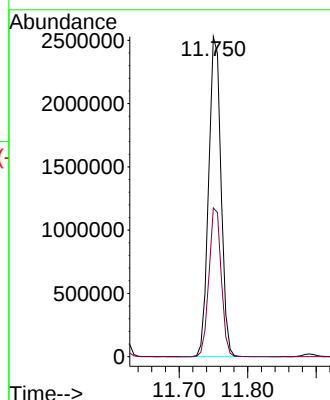
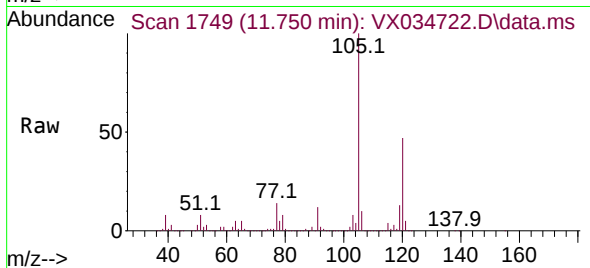
120 46.2 22.4 67.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Mahesh Dadoda 03/27/2023



#86

p-Isopropyltoluene

Concen: 1.757 ug/l m

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX034722.D

Acq: 24 Mar 2023 15:42

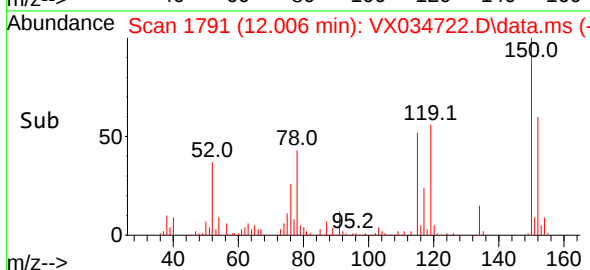
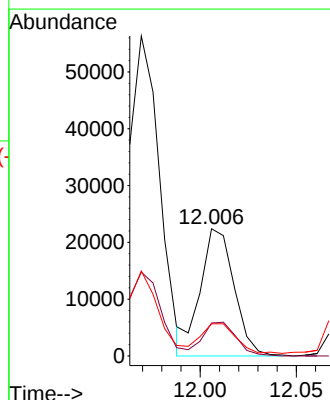
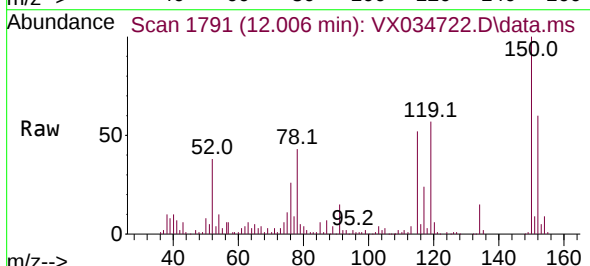
Tgt Ion:119 Resp: 27410

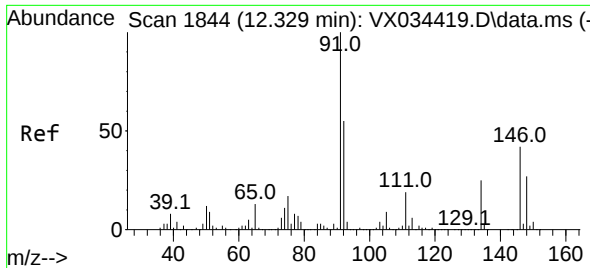
Ion Ratio Lower Upper

119 100

134 67.3 13.2 39.5#

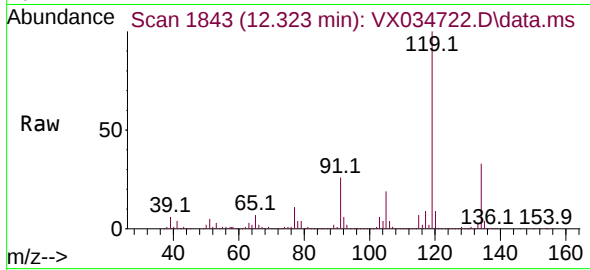
91 65.2 12.9 38.7#





#89
n-Butylbenzene
Concen: 9.140 ug/l
RT: 12.323 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

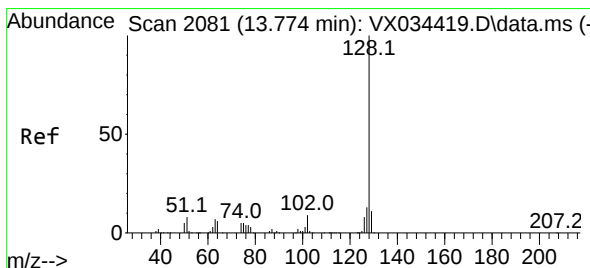
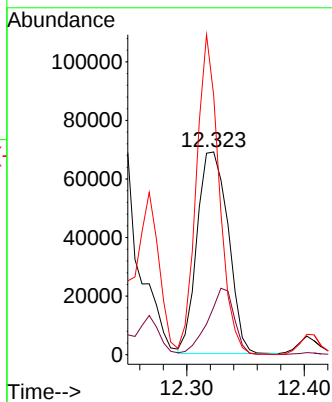
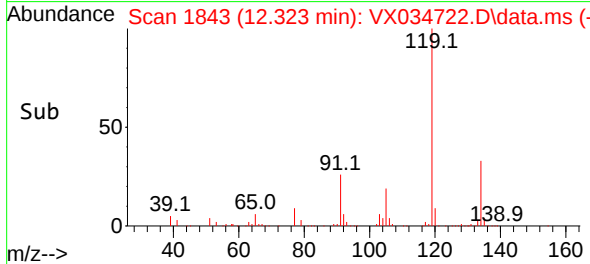
Instrument :
MSVOA_X
ClientSampleId :
TRE-1717



Tgt Ion: 91 Resp: 126785
Ion Ratio Lower Upper
91 100
92 27.9 27.7 83.0
134 116.0 13.0 38.9

Manual Integrations
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Reviewed By :John Carlone 03/27/2023
Supervised By :Mahesh Dadoda 03/27/2023



#95
Naphthalene
Concen: 91.019 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX034722.D
Acq: 24 Mar 2023 15:42

Tgt Ion:128 Resp: 1557122
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.3 8.6 13.0

