

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
 Data File : VX029705.D
 Acq On : 22 Jun 2022 17:34
 Operator : JC/MD
 Sample : N3202-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-29

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2022
 Supervised By : Mahesh Dadoda 06/23/2022

Quant Time: Jun 23 01:09:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	266381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	446860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145570	41.283	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.560%		
35) Dibromofluoromethane	5.391	113	130589	44.843	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.680%		
50) Toluene-d8	8.653	98	502382	47.223	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.440%		
62) 4-Bromofluorobenzene	11.085	95	186984	46.607	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.220%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	765263	1024.557	ug/l	99
16) Acetone	2.380	43	69997	49.802	ug/l	99
17) Carbon Disulfide	2.514	76	3733	0.534	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	3059141	326.514	ug/l	96
22) Diisopropyl ether	3.764	45	91988	10.672	ug/l #	89
25) 2-Butanone	4.562	43	32501	14.629	ug/l	95
29) Tetrahydrofuran	5.026	42	5760	3.890	ug/l	95
31) Cyclohexane	5.471	56	207912	43.919	ug/l	98
39) Methylcyclohexane	7.385	83	105778	21.526	ug/l	91
40) Benzene	6.044	78	5248903	449.270	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	13968	3.450	ug/l	89
52) Toluene	8.720	92	623898	83.395	ug/l	96
67) Ethyl Benzene	10.195	91	1908664	139.978	ug/l	97
68) m/p-Xylenes	10.305	106	3214899	604.588	ug/l	91
69) o-Xylene	10.647	106	1702738	324.108	ug/l	95
73) Isopropylbenzene	10.964	105	926263	69.322	ug/l	99
78) n-propylbenzene	11.305	91	1339571	89.014	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	4047255	359.664	ug/l	96
84) 1,2,4-Trimethylbenzene	11.762	105	10105631	900.439	ug/l	86
85) sec-Butylbenzene	11.890	105	45734m	3.363	ug/l	
86) p-Isopropyltoluene	12.012	119	28171m	2.474	ug/l	

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

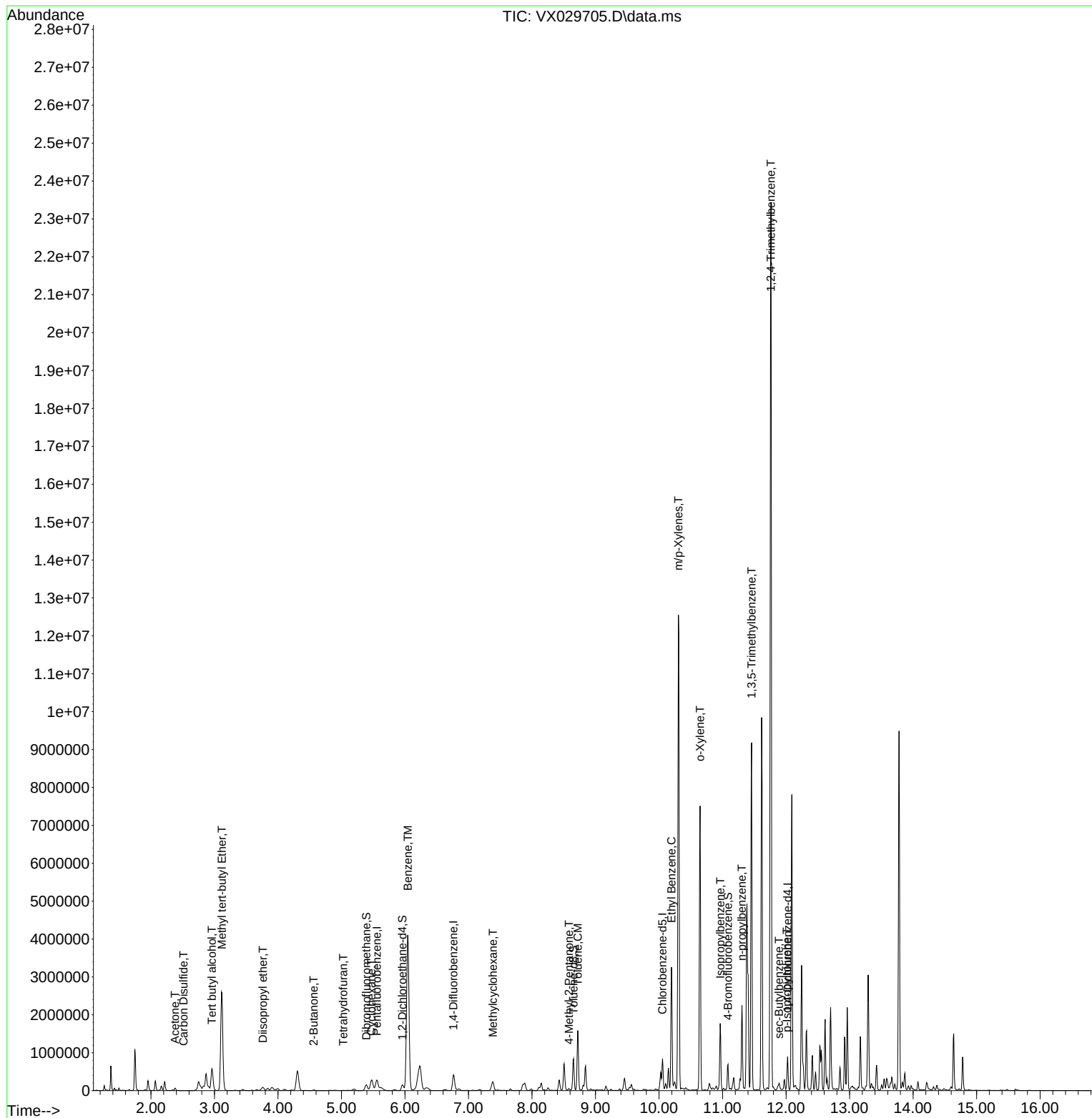
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
Data File : VX029705.D
Acq On : 22 Jun 2022 17:34
Operator : JC/MD
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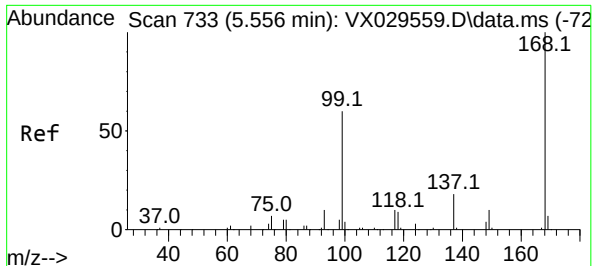
Instrument :
MSVOA_X
ClientSampleId :
MW-29

Quant Time: Jun 23 01:09:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 20 01:31:01 2022
Response via : Initial Calibration

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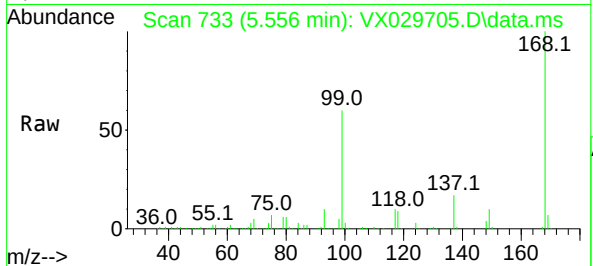
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

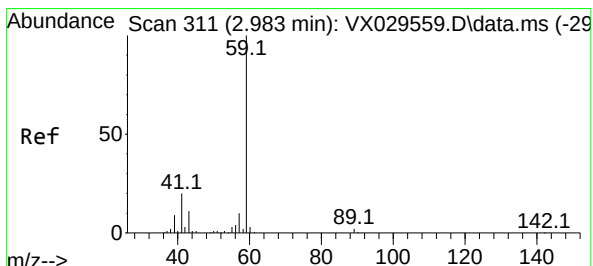
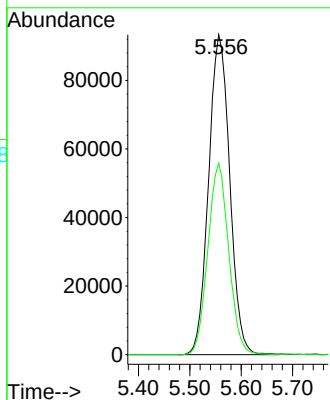
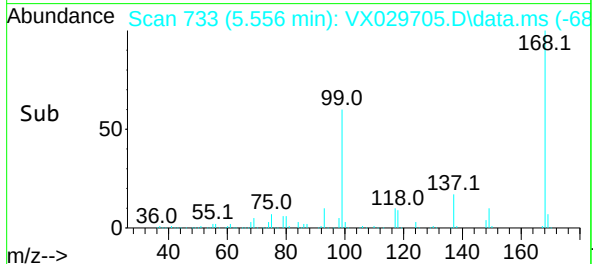
Instrument :
MSVOA_X
ClientSampleId :
MW-29



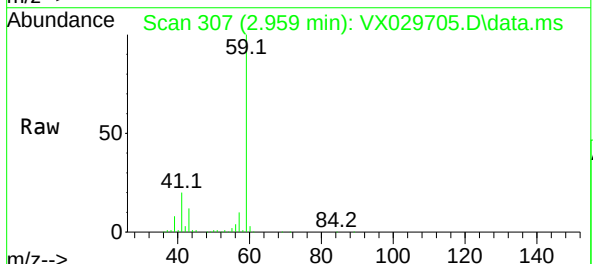
Tgt Ion:168 Resp: 26638
Ion Ratio Lower Upper
168 100
99 59.9 41.7 62.5

Manual Integrations
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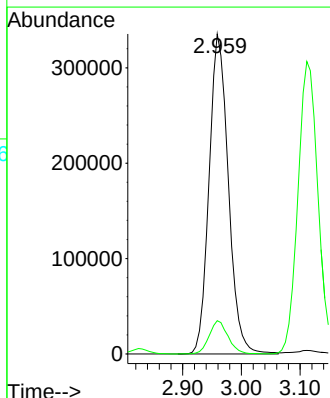
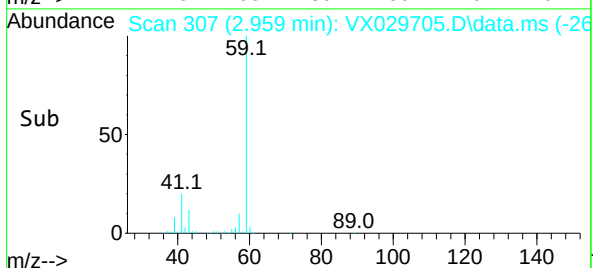
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

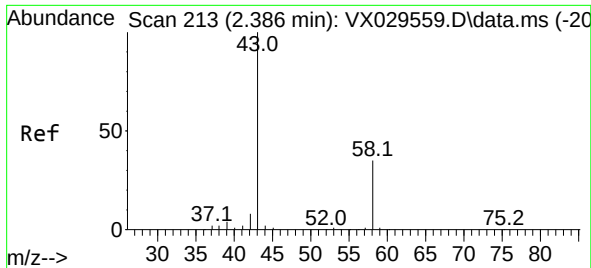


#11
Tert butyl alcohol
Concen: 1024.557 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34



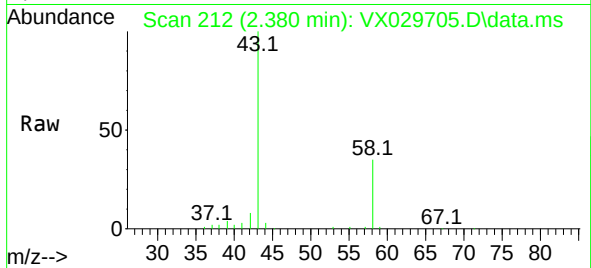
Tgt Ion: 59 Resp: 765263
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5





#16
Acetone
Concen: 49.802 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

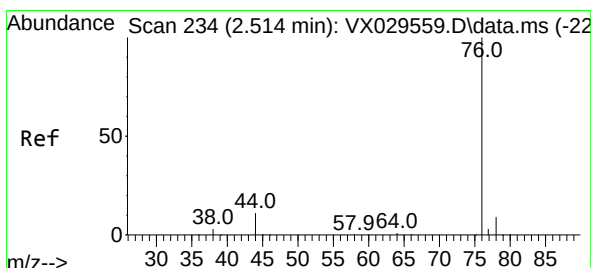
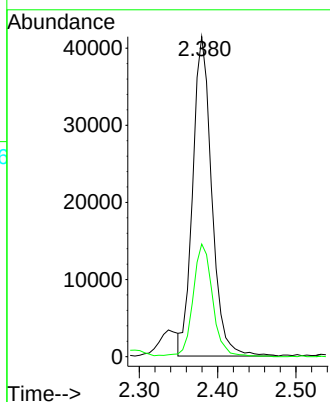
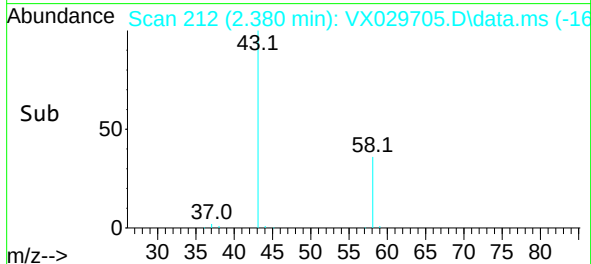
Instrument :
MSVOA_X
ClientSampleId :
MW-29



Tgt Ion: 43 Resp: 6999
Ion Ratio Lower Upper
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58 35.3 28.8 43.2

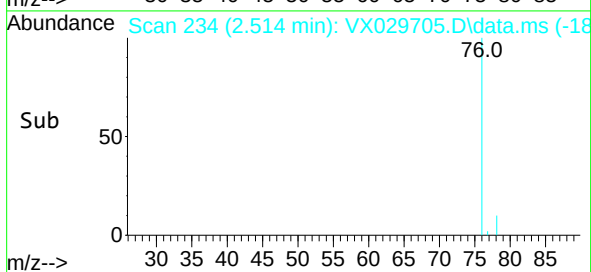
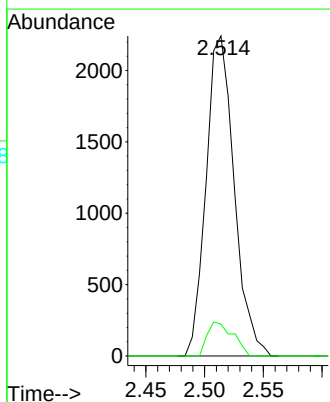
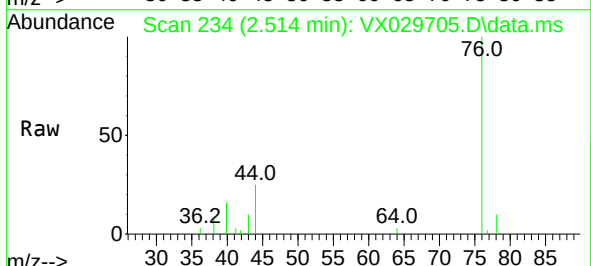
Manual Integrations
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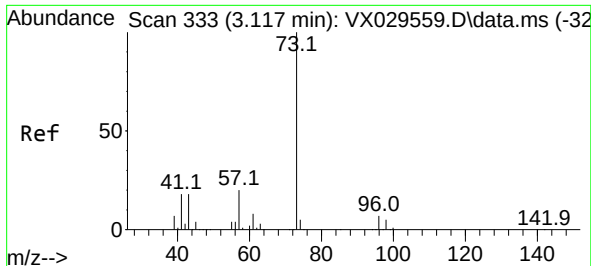
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#17
Carbon Disulfide
Concen: 0.534 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

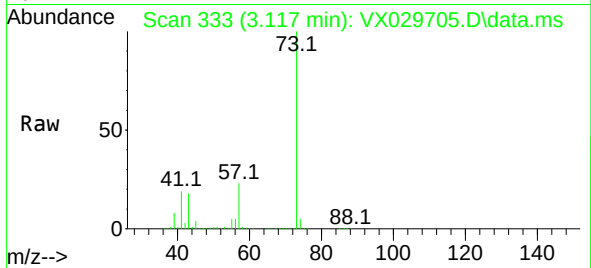
Tgt Ion: 76 Resp: 3733
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8





#19
Methyl tert-butyl Ether
Concen: 326.514 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

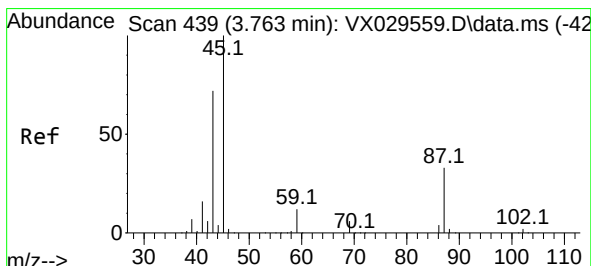
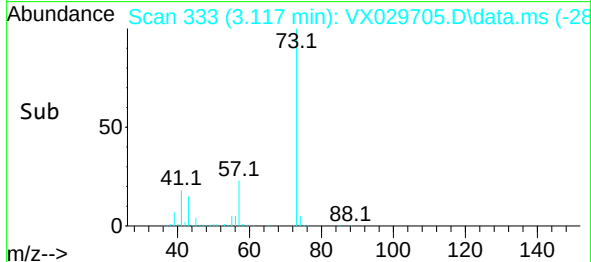
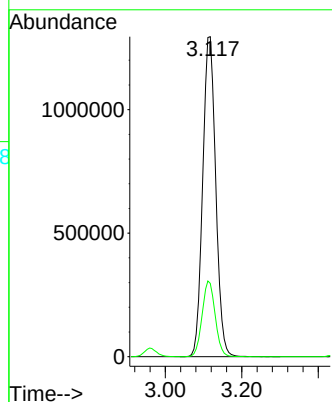
Instrument :
MSVOA_X
ClientSampleId :
MW-29



Tgt Ion: 73 Resp: 305914
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2

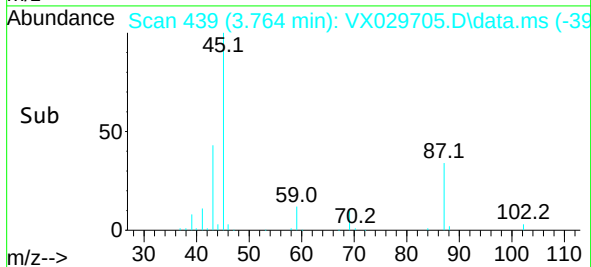
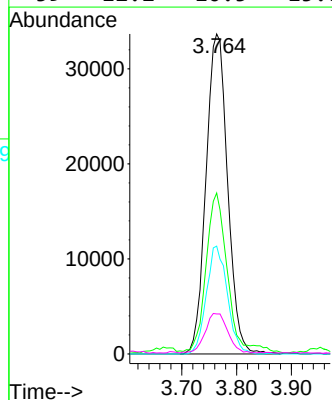
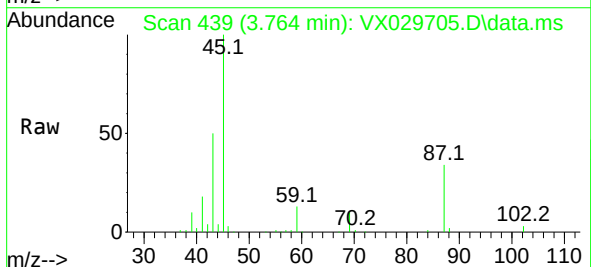
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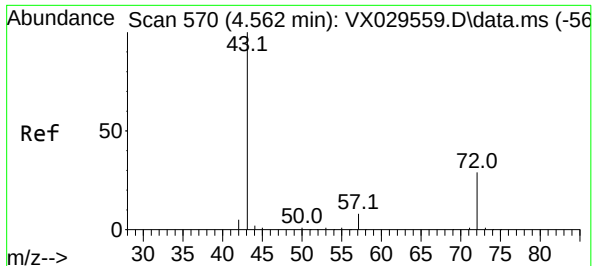
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#22
Diisopropyl ether
Concen: 10.672 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

Tgt Ion: 45 Resp: 91988
Ion Ratio Lower Upper
45 100
43 49.7 50.8 76.2#
87 33.7 26.6 39.8
59 12.2 10.5 15.7





#25

2-Butanone

Concen: 14.629 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX029705.D

Acq: 22 Jun 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

MW-29

Tgt Ion: 43 Resp: 3250

Ion Ratio Lower Upper

43 100

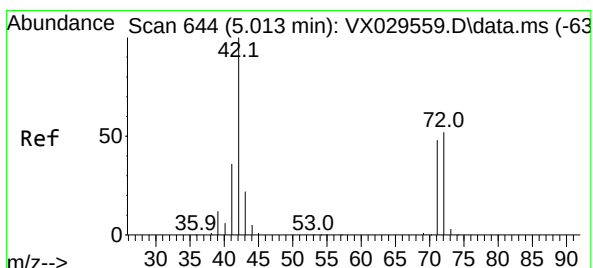
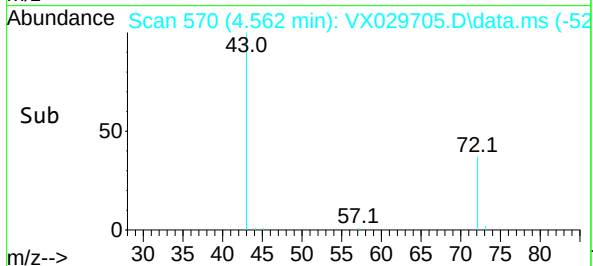
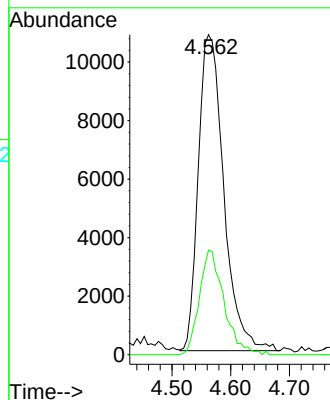
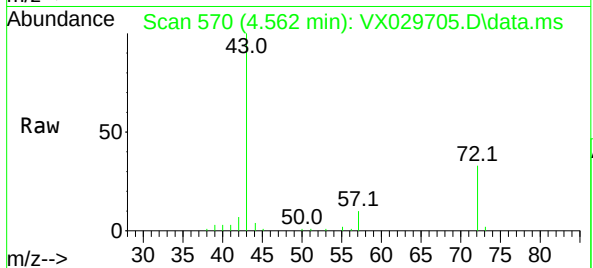
72 33.1 24.4 36.6

Manual Integrations

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Reviewed By :John Carlone 06/23/2022

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#29

Tetrahydrofuran

Concen: 3.890 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.013 min

Lab File: VX029705.D

Acq: 22 Jun 2022 17:34

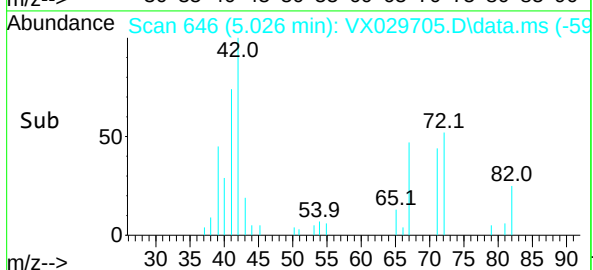
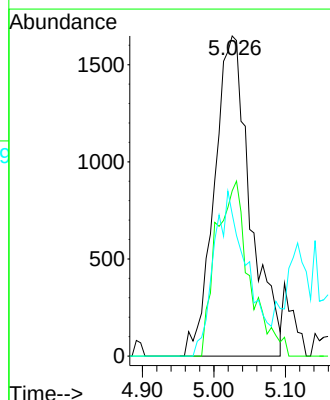
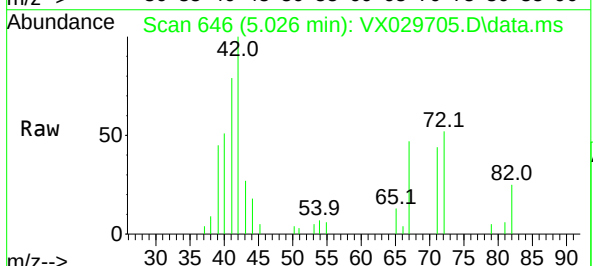
Tgt Ion: 42 Resp: 5760

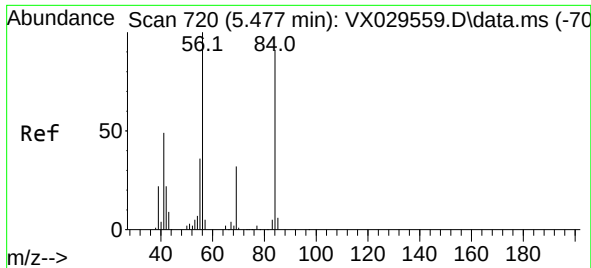
Ion Ratio Lower Upper

42 100

72 50.9 44.1 66.1

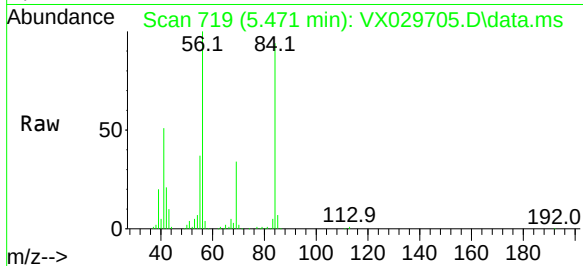
71 47.5 40.5 60.7





#31
Cyclohexane
Concen: 43.919 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

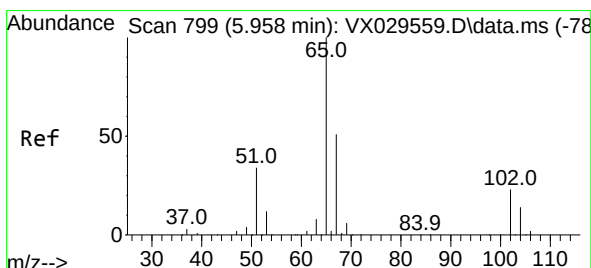
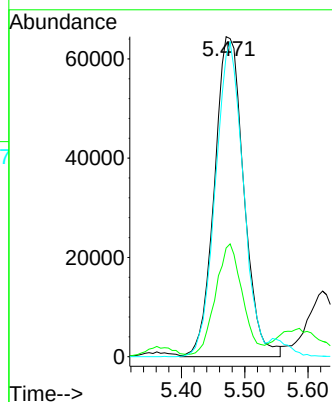
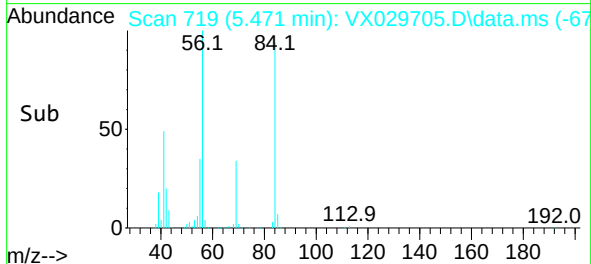
Instrument :
MSVOA_X
ClientSampleId :
MW-29



Tgt Ion: 56 Resp: 207912
Ion Ratio Lower Upper
56 100
69 33.1 26.7 40.1
84 94.3 77.2 115.8

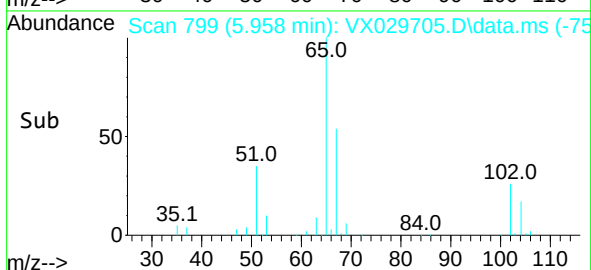
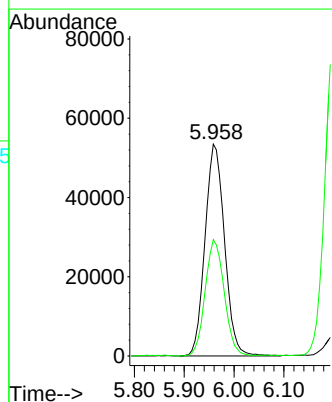
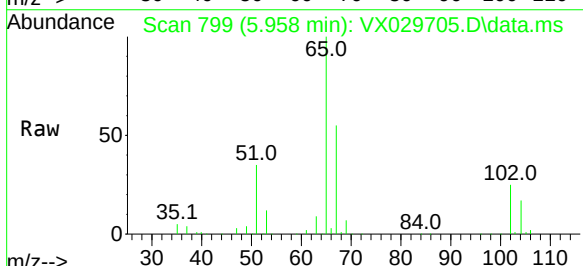
Manual Integrations
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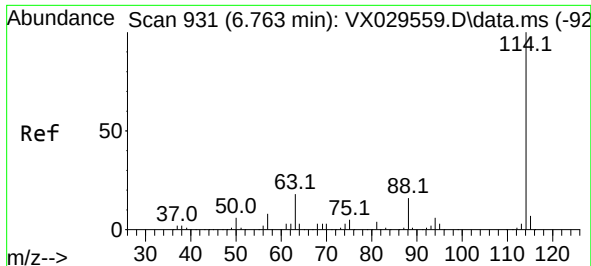
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#33
1,2-Dichloroethane-d4
Concen: 41.283 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

Tgt Ion: 65 Resp: 145570
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX029705.D

Acq: 22 Jun 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

MW-29

Tgt Ion:114 Resp: 446860

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

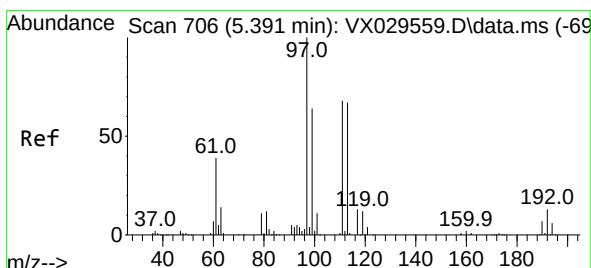
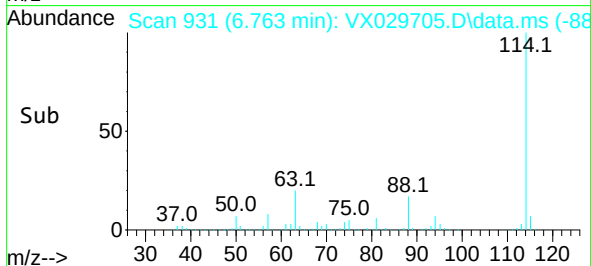
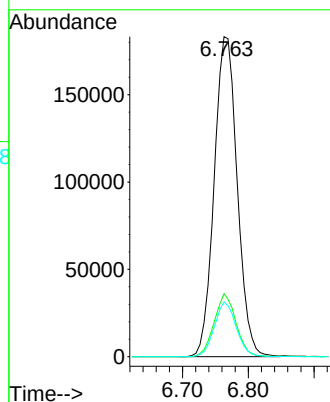
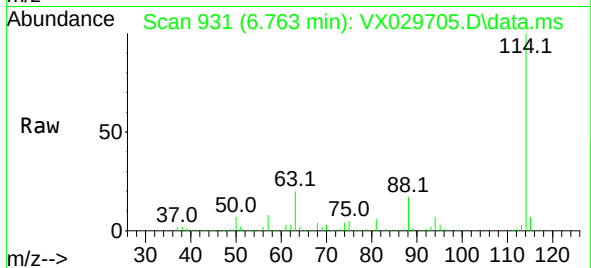
88 17.1 0.0 32.4

Manual Integrations

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Reviewed By :John Carlone 06/23/2022

Supervised By :Mahesh Dadoda 06/23/2022



#35

Dibromofluoromethane

Concen: 44.843 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029705.D

Acq: 22 Jun 2022 17:34

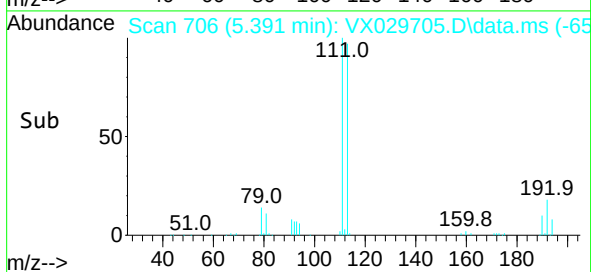
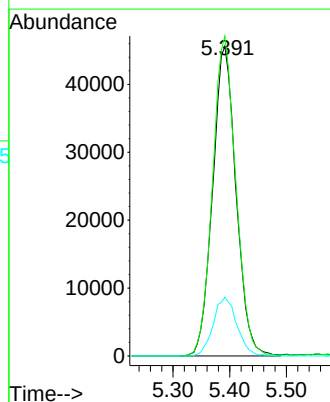
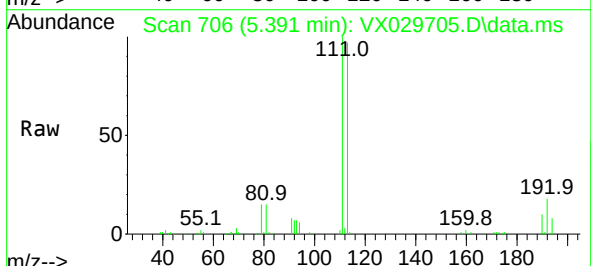
Tgt Ion:113 Resp: 130589

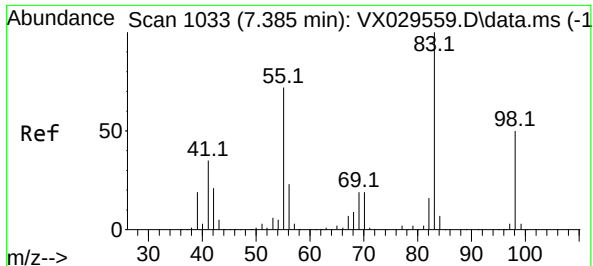
Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 19.1 16.9 25.3





#39

Methylcyclohexane

Concen: 21.526 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX029705.D

Acq: 22 Jun 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

MW-29

Tgt Ion: 83 Resp: 105778

Ion Ratio Lower Upper

83 100

55 76.8 54.6 81.8

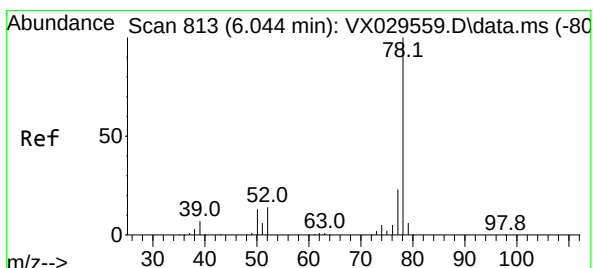
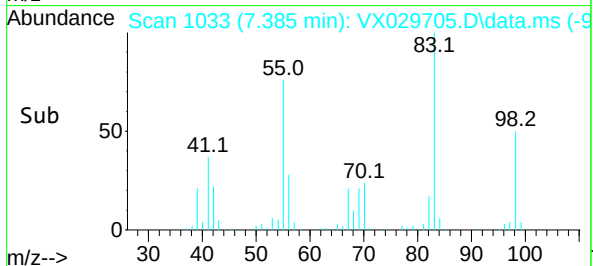
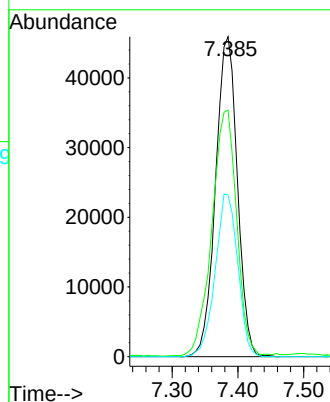
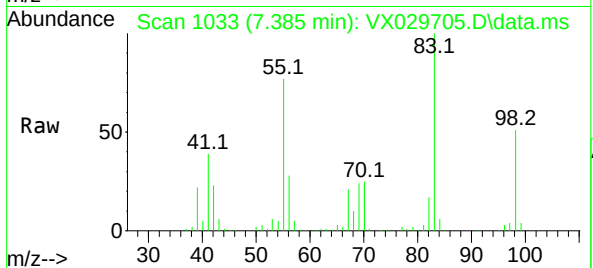
98 50.5 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/23/2022

Supervised By :Mahesh Dadoda 06/23/2022



#40

Benzene

Concen: 449.270 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX029705.D

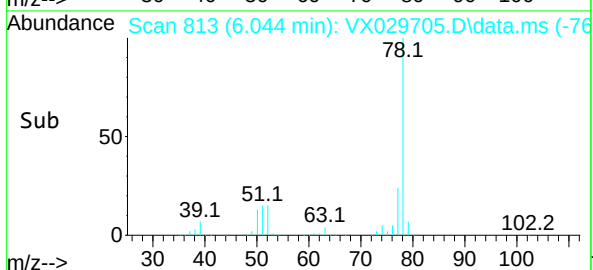
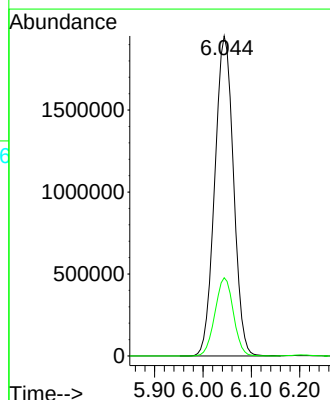
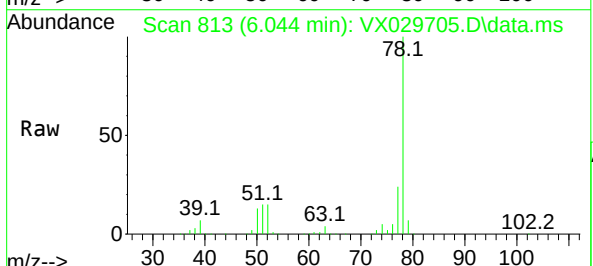
Acq: 22 Jun 2022 17:34

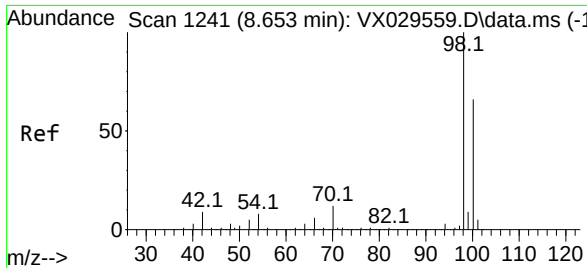
Tgt Ion: 78 Resp: 5248903

Ion Ratio Lower Upper

78 100

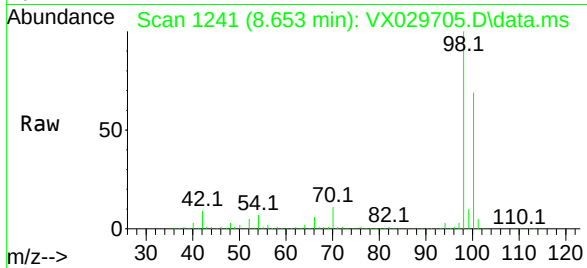
77 24.4 19.3 28.9





#50
Toluene-d8
Concen: 47.223 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

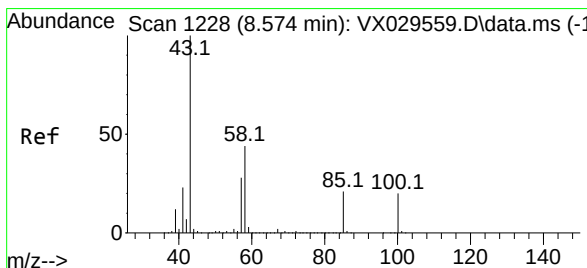
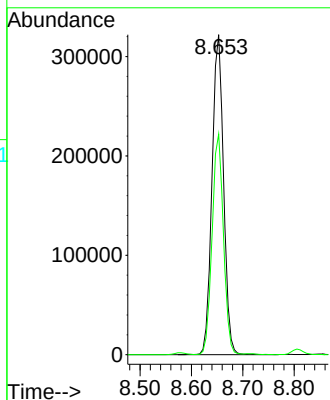
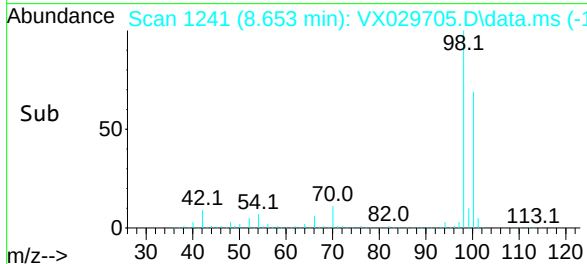
Instrument :
MSVOA_X
ClientSampleId :
MW-29



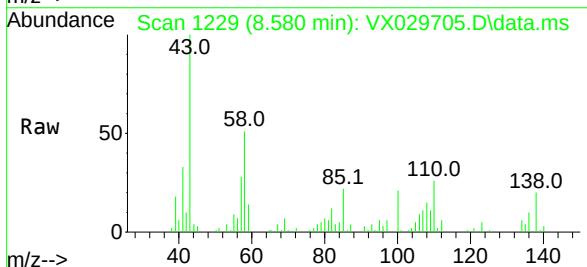
Tgt Ion: 98 Resp: 50238
Ion Ratio Lower Upper
98 100
100 67.6 52.6 78.8

Manual Integrations
APPROVED

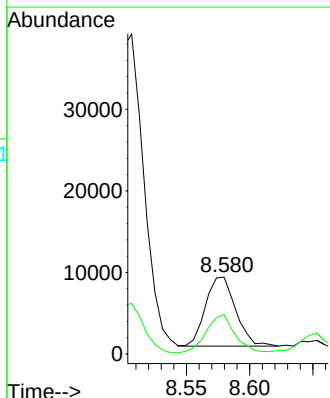
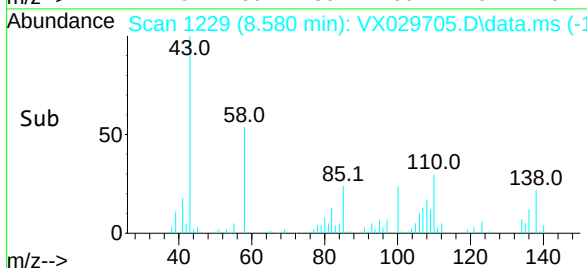
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

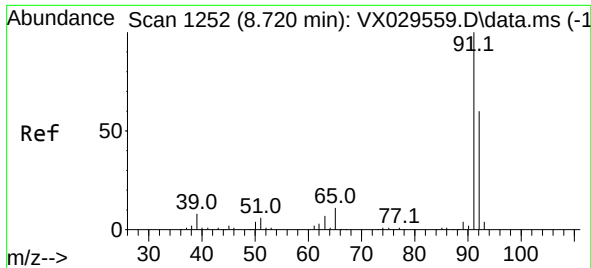


#51
4-Methyl-2-Pentanone
Concen: 3.450 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34



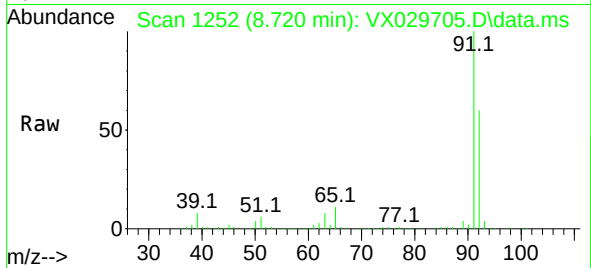
Tgt Ion: 43 Resp: 13968
Ion Ratio Lower Upper
43 100
58 52.4 36.1 54.1





#52
Toluene
Concen: 83.395 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

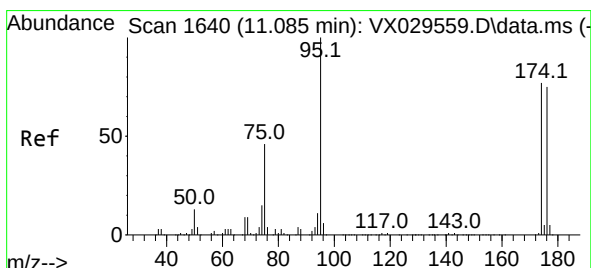
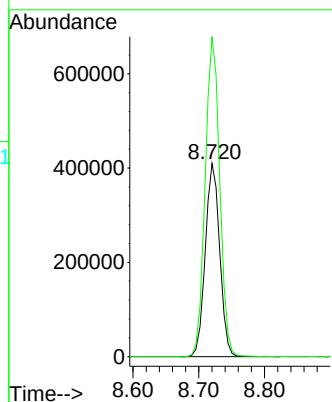
Instrument :
MSVOA_X
ClientSampleId :
MW-29



Tgt Ion: 92 Resp: 623898
Ion Ratio Lower Upper
92 100
91 166.8 137.5 206.3

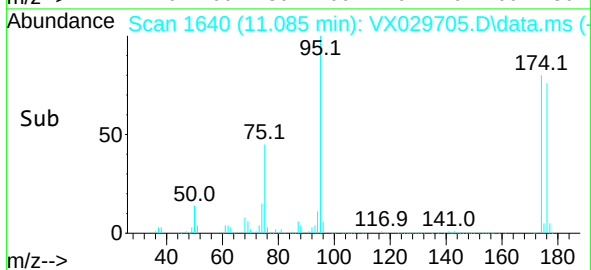
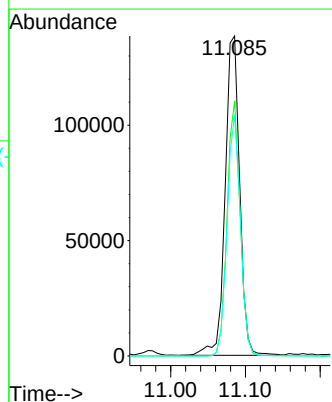
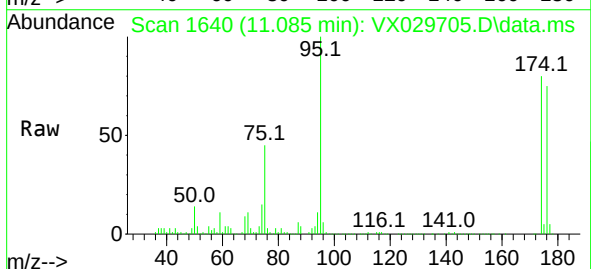
Manual Integrations
APPROVED

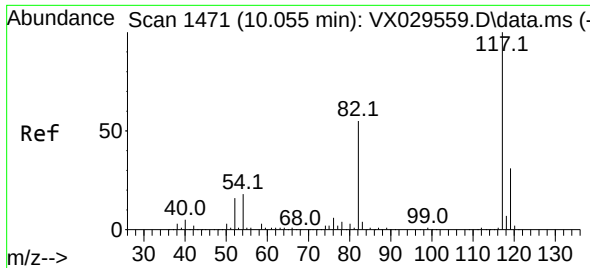
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#62
4-Bromofluorobenzene
Concen: 46.607 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

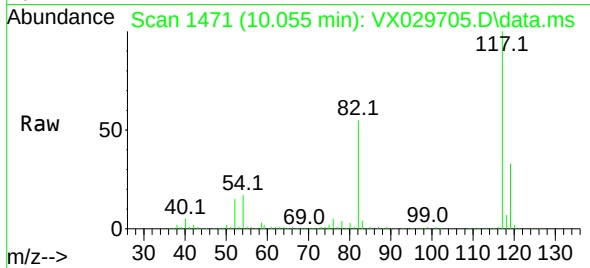
Tgt Ion: 95 Resp: 186984
Ion Ratio Lower Upper
95 100
174 71.9 0.0 163.0
176 69.2 0.0 155.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

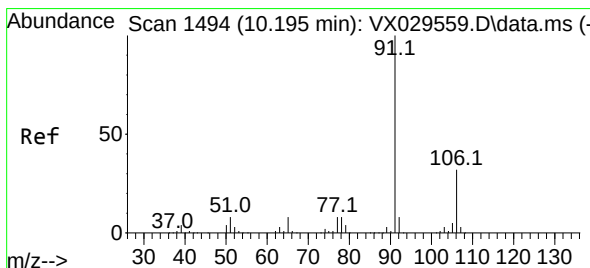
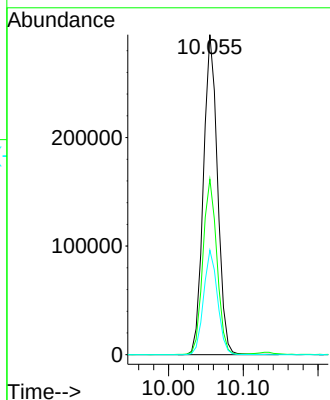
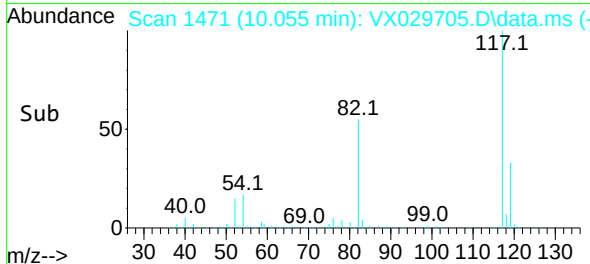
Instrument :
MSVOA_X
ClientSampleId :
MW-29



Tgt Ion:117 Resp: 386294
Ion Ratio Lower Upper
117 100
82 54.8 41.8 62.8
119 32.6 24.8 37.2

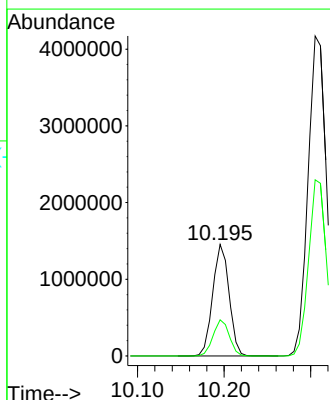
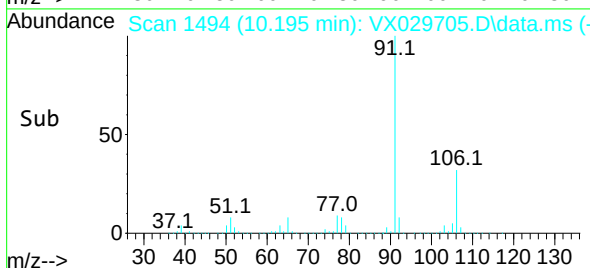
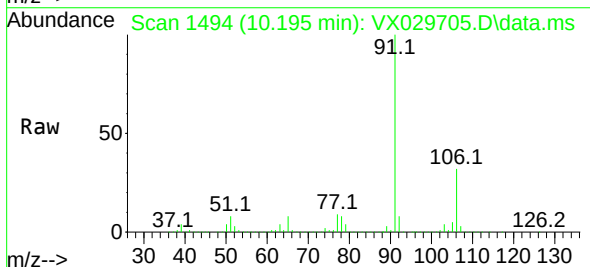
Manual Integrations
APPROVED

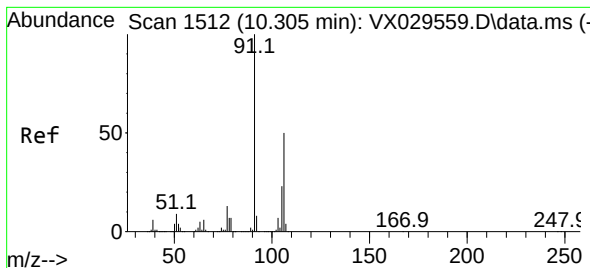
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#67
Ethyl Benzene
Concen: 139.978 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

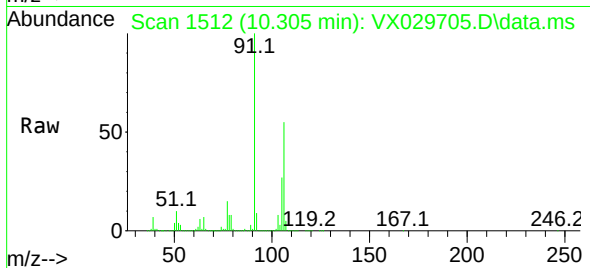
Tgt Ion: 91 Resp: 1908664
Ion Ratio Lower Upper
91 100
106 32.4 24.6 36.8





#68
m/p-Xylenes
Concen: 604.588 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

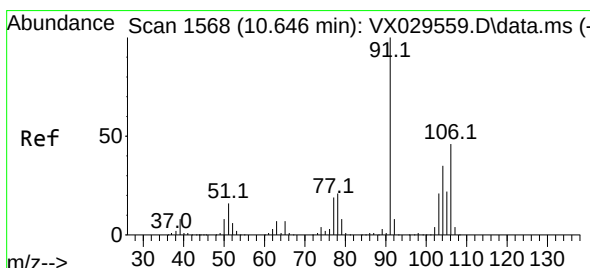
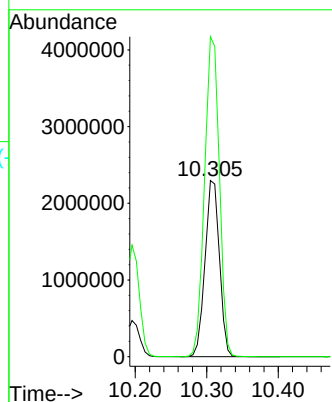
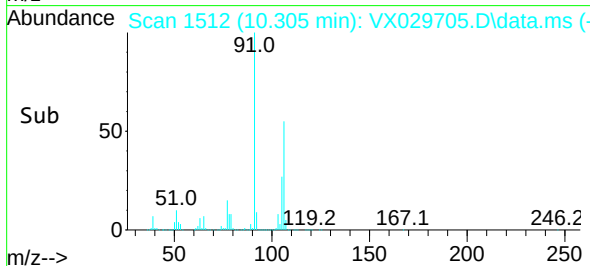
Instrument :
MSVOA_X
ClientSampleId :
MW-29



Tgt Ion:106 Resp: 3214899
Ion Ratio Lower Upper
106 100
91 186.9 160.4 240.6

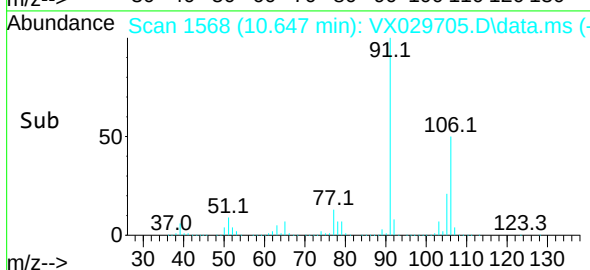
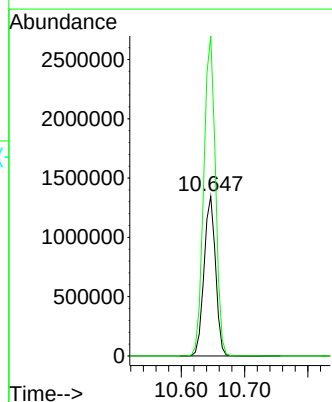
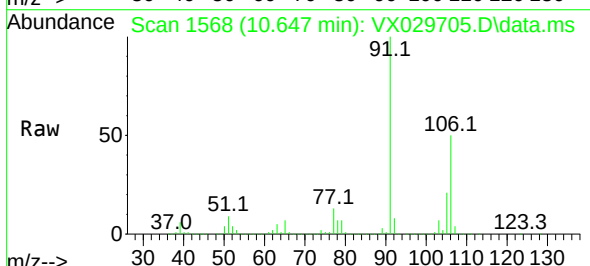
Manual Integrations
APPROVED

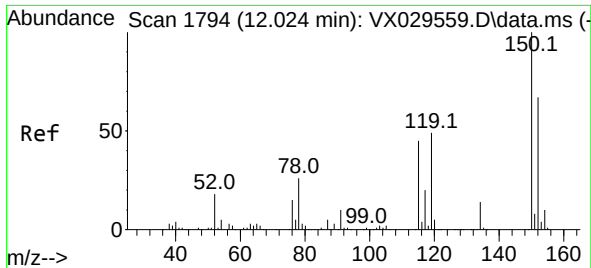
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#69
o-Xylene
Concen: 324.108 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

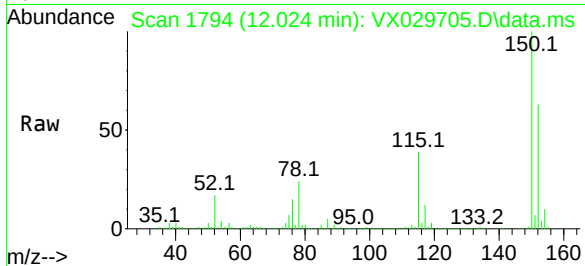
Tgt Ion:106 Resp: 1702738
Ion Ratio Lower Upper
106 100
91 204.8 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

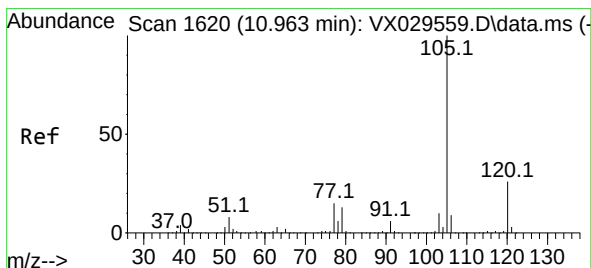
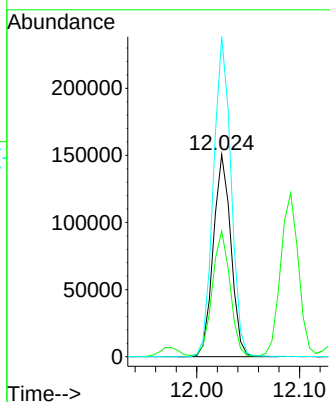
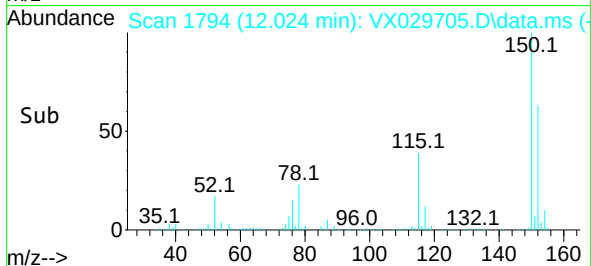
Instrument :
MSVOA_X
ClientSampleId :
MW-29



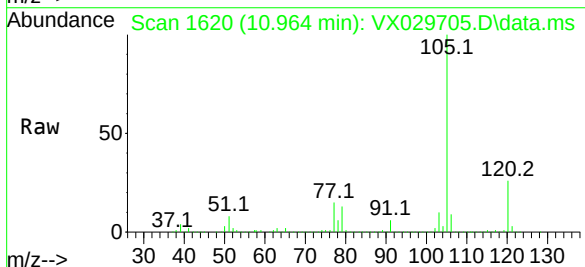
Tgt Ion:152 Resp: 178208
Ion Ratio Lower Upper
152 100
115 62.2 37.5 112.7
150 158.7 0.0 338.2

Manual Integrations
APPROVED

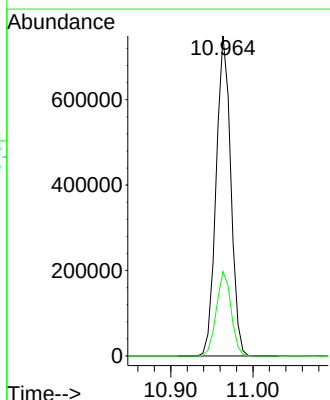
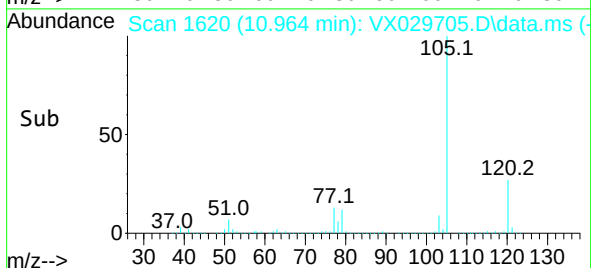
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022

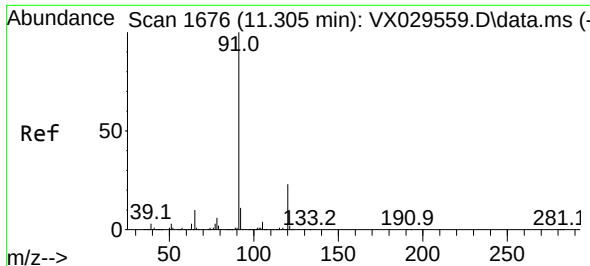


#73
Isopropylbenzene
Concen: 69.322 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34



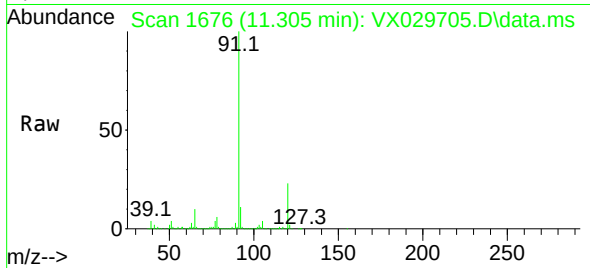
Tgt Ion:105 Resp: 926263
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.5





#78
n-propylbenzene
Concen: 89.014 ug/l
RT: 11.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

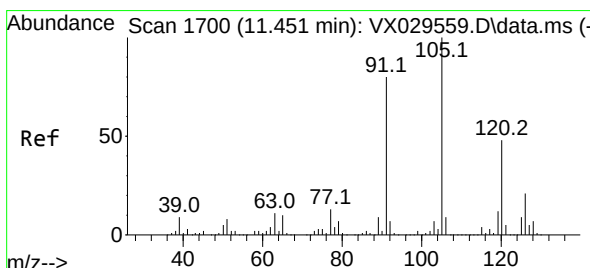
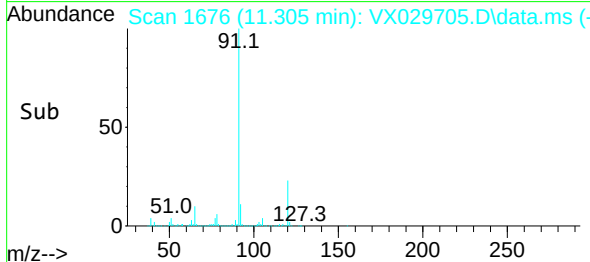
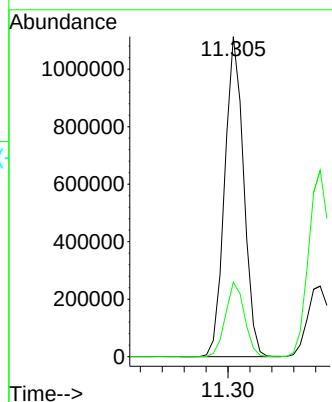
Instrument :
MSVOA_X
ClientSampleId :
MW-29



Tgt Ion: 91 Resp: 133957
Ion Ratio Lower Upper
91 100
120 23.3 11.6 34.8

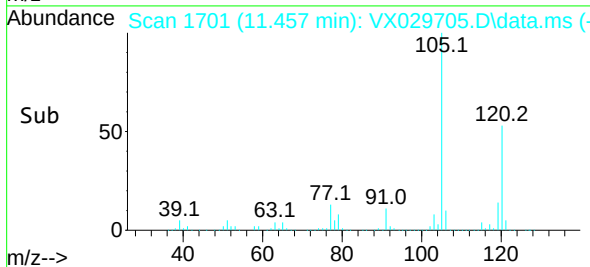
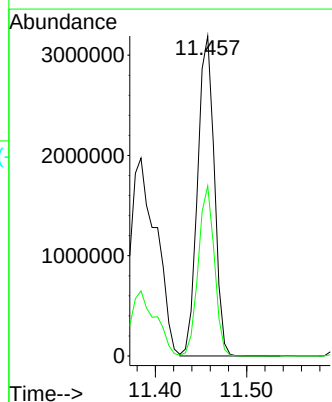
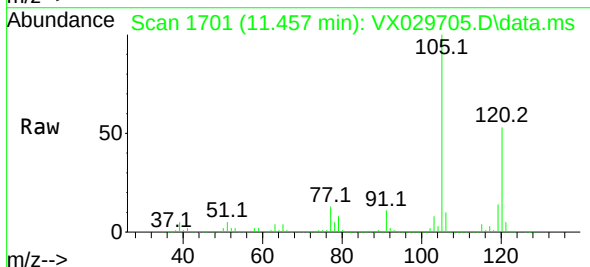
Manual Integrations
APPROVED

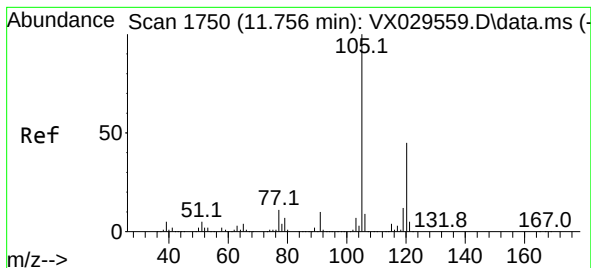
Reviewed By :John Carlone 06/23/2022
Supervised By :Mahesh Dadoda 06/23/2022



#80
1,3,5-Trimethylbenzene
Concen: 359.664 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX029705.D
Acq: 22 Jun 2022 17:34

Tgt Ion:105 Resp: 4047255
Ion Ratio Lower Upper
105 100
120 51.2 24.3 72.9





#84

1,2,4-Trimethylbenzene

Concen: 900.439 ug/l

RT: 11.762 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VX029705.D

Acq: 22 Jun 2022 17:34

Instrument :

MSVOA_X

ClientSampleId :

MW-29

Tgt Ion:105 Resp:1010563

Ion Ratio Lower Upper

105 100

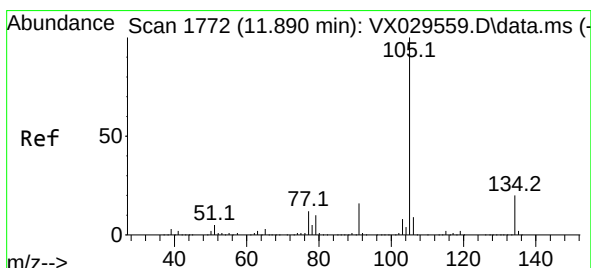
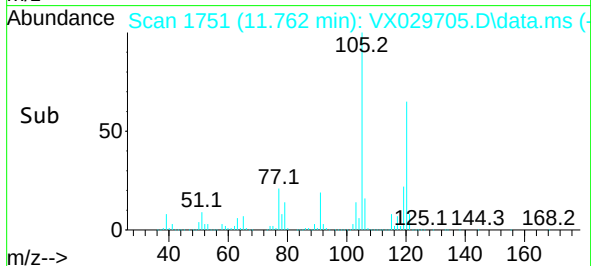
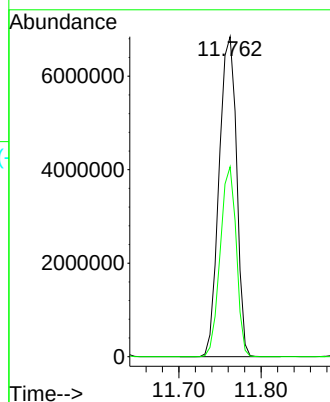
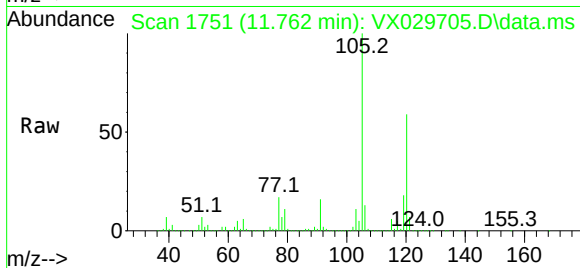
120 54.6 22.6 67.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/23/2022

Supervised By :Mahesh Dadoda 06/23/2022



#85

sec-Butylbenzene

Concen: 3.363 ug/l m

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX029705.D

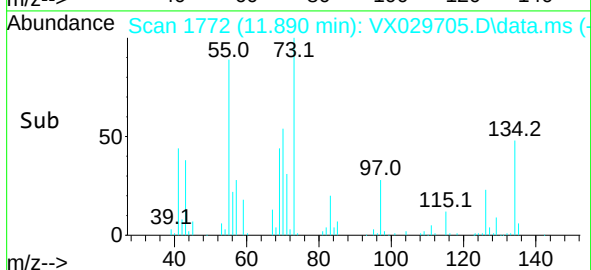
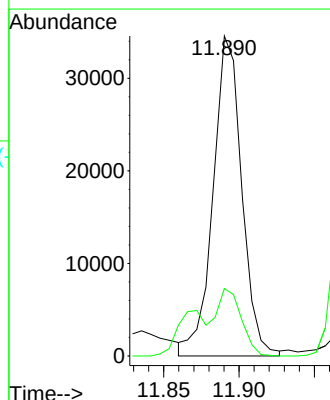
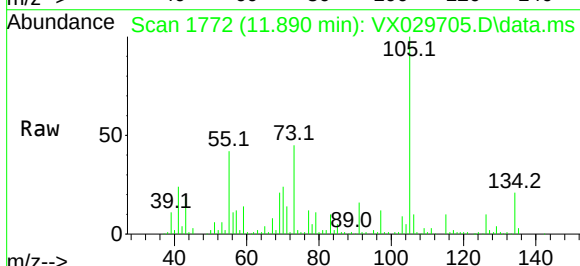
Acq: 22 Jun 2022 17:34

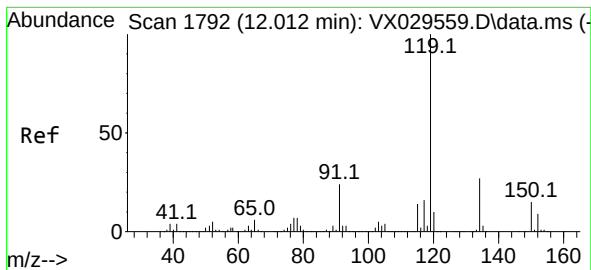
Tgt Ion:105 Resp: 45734

Ion Ratio Lower Upper

105 100

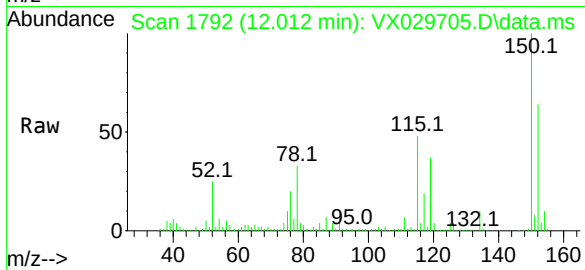
134 0.0 10.2 30.4#





#86
 p-Isopropyltoluene
 Concen: 2.474 ug/l m
 RT: 12.012 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029705.D
 Acq: 22 Jun 2022 17:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-29



Tgt Ion:119 Resp: 2817
 Ion Ratio Lower Upper
 119 100
 134 121.5 13.0 39.0
 91 0.0 11.3 33.9

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/23/2022
 Supervised By :Mahesh Dadoda 06/23/2022

