

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048720.D
 Acq On : 28 May 2022 02:48
 Operator : SY/MD
 Sample : N3033-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-16

Quant Time: May 30 03:00:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	232749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	392136	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	408940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	260414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	168724	48.270	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.540%		
35) Dibromofluoromethane	5.292	113	147945	52.883	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.760%		
50) Toluene-d8	7.899	98	452967	45.169	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.340%#		
62) 4-Bromofluorobenzene	10.635	95	233209	61.490	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	122.980%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.169	59	56871	64.175	ug/l #	28
16) Acetone	2.620	43	18726m	10.512	ug/l	
19) Methyl tert-butyl Ether	3.362	73	140044	15.580	ug/l #	1
22) Diisopropyl ether	3.996	45	30382	3.590	ug/l #	81
25) 2-Butanone	4.706	43	14959	5.845	ug/l	94
31) Cyclohexane	5.391	56	627260	142.395	ug/l	98
39) Methylcyclohexane	6.764	83	391022	91.335	ug/l	98
40) Benzene	5.774	78	1254992	104.112	ug/l	99
52) Toluene	7.970	92	740653	102.722	ug/l	100
67) Ethyl Benzene	9.568	91	19807490m	1357.828	ug/l	
68) m/p-Xylenes	9.700	106	18412065m	3227.143	ug/l	
69) o-Xylene	10.108	106	8736745	1558.665	ug/l #	1
73) Isopropylbenzene	10.484	105	1415788	84.212	ug/l	99
78) n-propylbenzene	10.909	91	5529340	276.009	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	7079349	484.210	ug/l	99
84) 1,2,4-Trimethylbenzene	11.465	105	21051309m	1305.489	ug/l	
85) sec-Butylbenzene	11.645	105	243441m	13.868	ug/l	
86) p-Isopropyltoluene	11.796	119	139525	9.255	ug/l	98
89) n-Butylbenzene	12.201	91	302075m	21.329	ug/l	

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

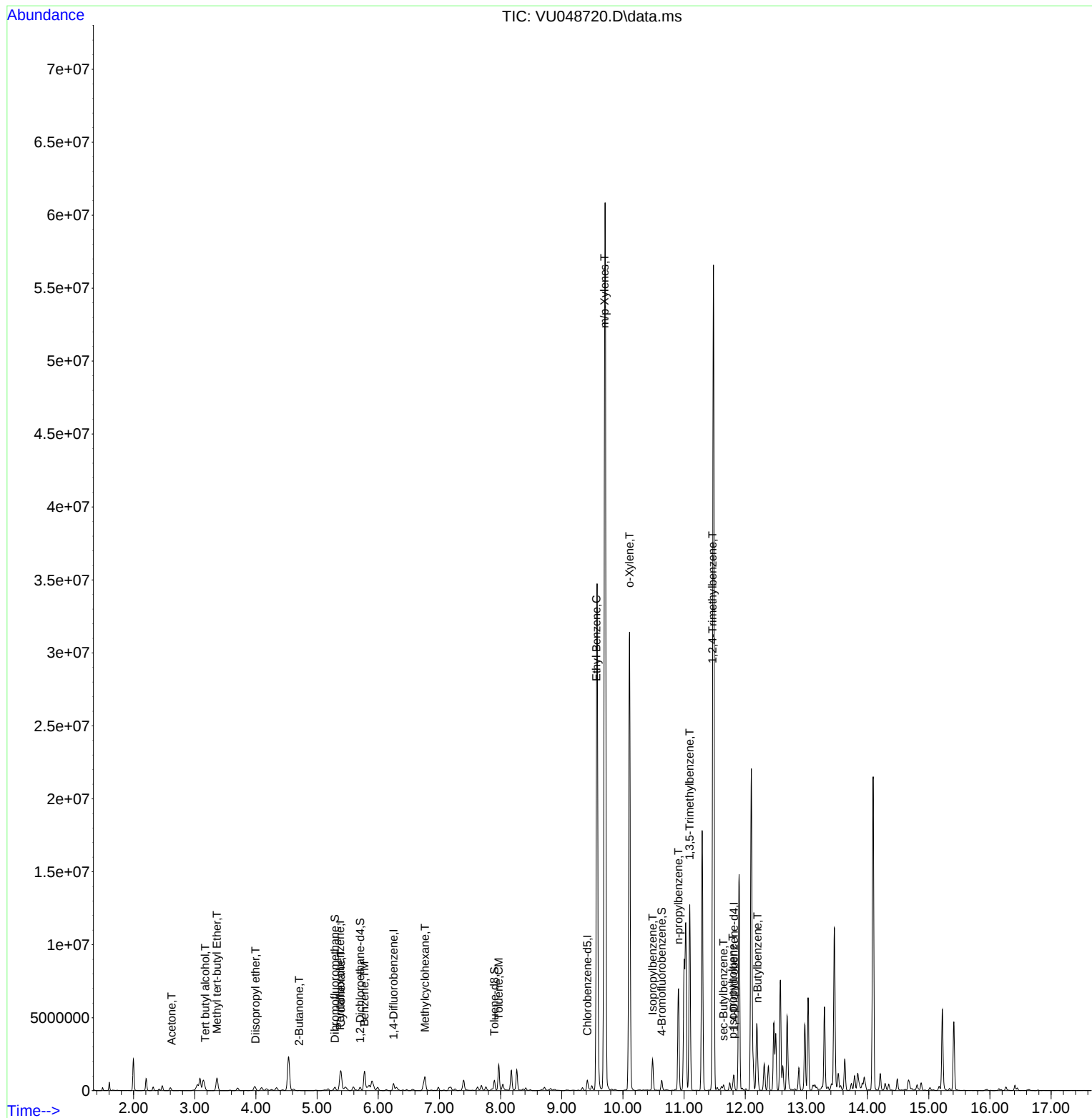
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
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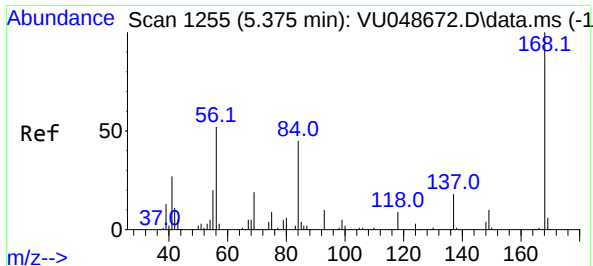
Instrument :
MSVOA_U
ClientSampleId :
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Quant Time: May 30 03:00:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
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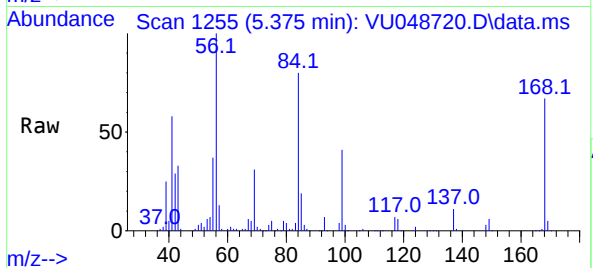
Reviewed By : John Carlone 05/31/2022
Supervised By : Mahesh Dadoda 05/31/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

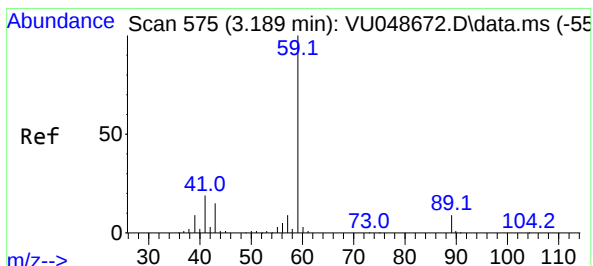
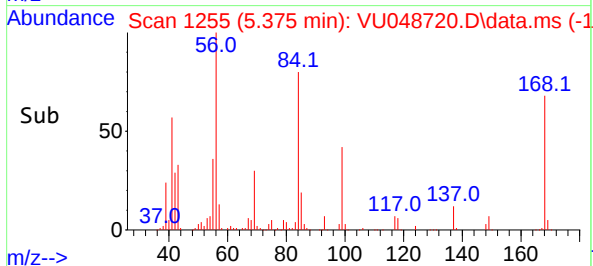
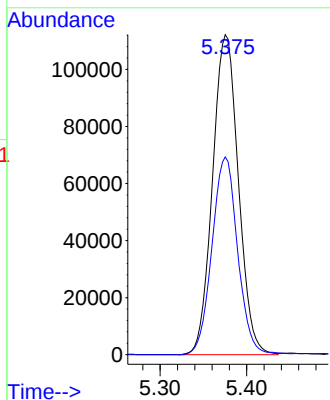
Instrument :
MSVOA_U
ClientSampleId :
TW-16



Tgt Ion:168 Resp: 232749
Ion Ratio Lower Upper
168 100
99 61.8 49.3 73.9

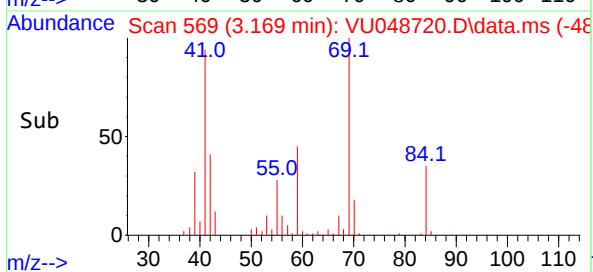
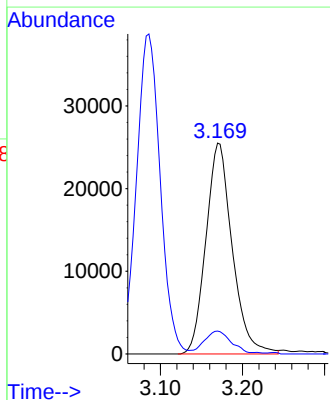
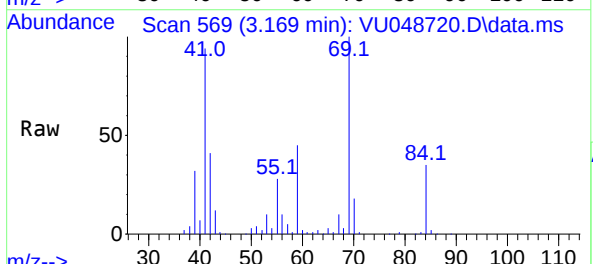
Manual Integrations
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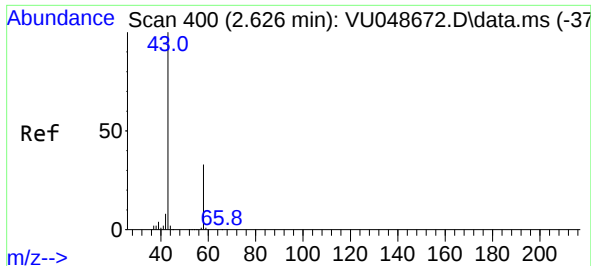
Reviewed By :John Carlone 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022



#11
Tert butyl alcohol
Concen: 64.175 ug/l
RT: 3.169 min Scan# 569
Delta R.T. -0.019 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

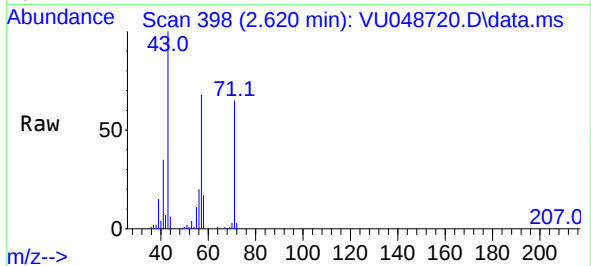
Tgt Ion: 59 Resp: 56871
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#16
Acetone
Concen: 10.512 ug/l m
RT: 2.620 min Scan# 398
Delta R.T. -0.007 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

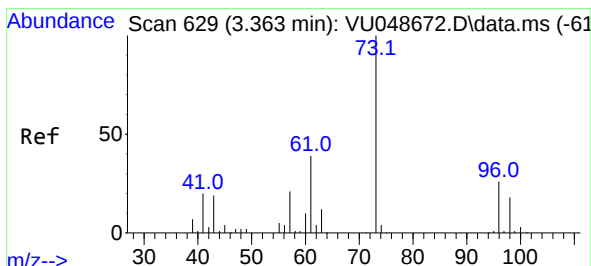
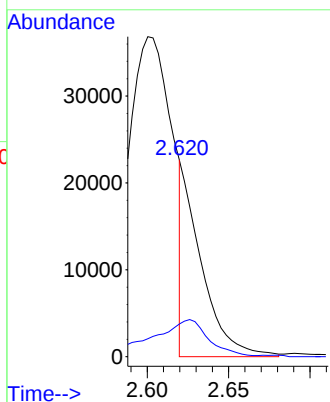
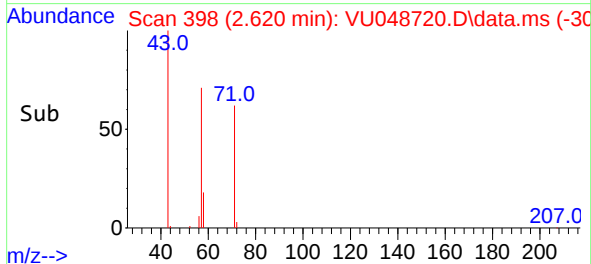
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ClientSampleId :
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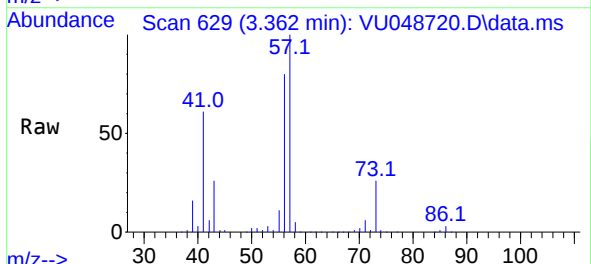
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Ion Ratio Lower Upper
43 100
58 16.6 26.3 39.5

Manual Integrations
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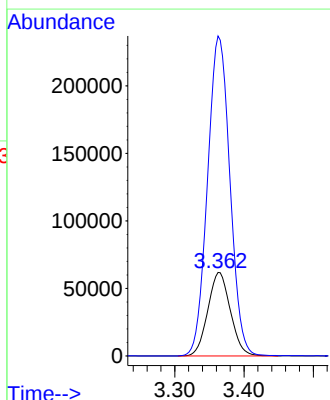
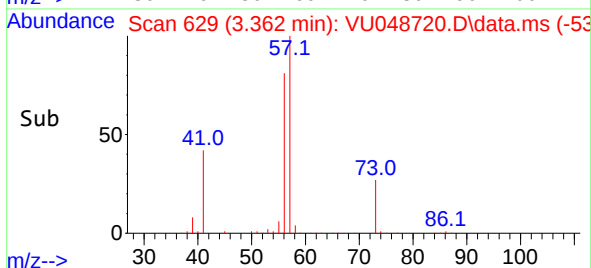
Reviewed By :John Carlone 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

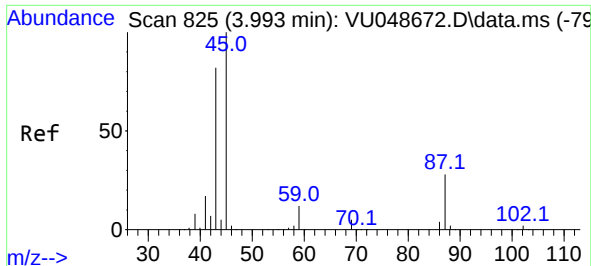


#19
Methyl tert-butyl Ether
Concen: 15.580 ug/l
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48



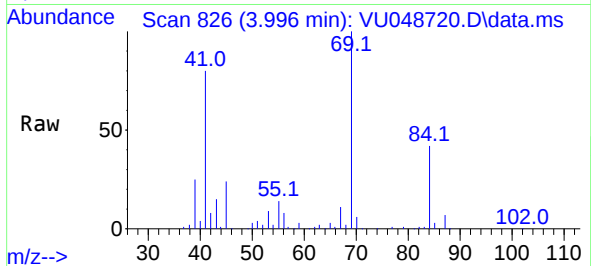
Tgt Ion: 73 Resp: 140044
Ion Ratio Lower Upper
73 100
57 383.2 17.1 25.7





#22
Diisopropyl ether
Concen: 3.590 ug/l
RT: 3.996 min Scan# 81
Delta R.T. 0.003 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

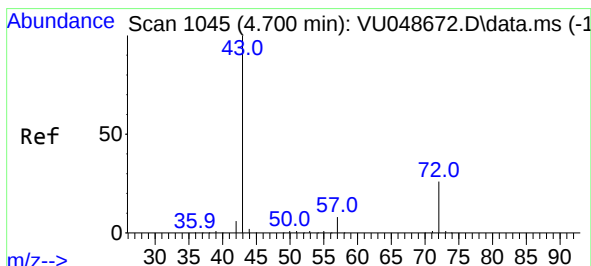
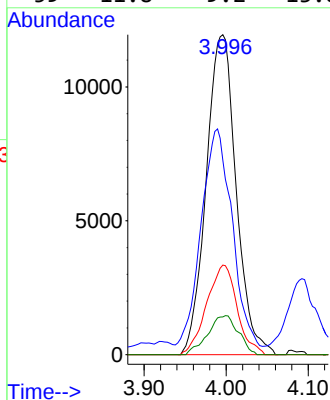
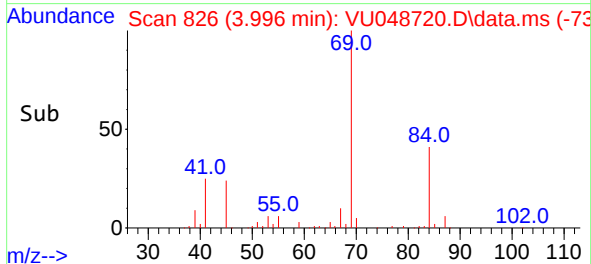
Instrument :
MSVOA_U
ClientSampleId :
TW-16



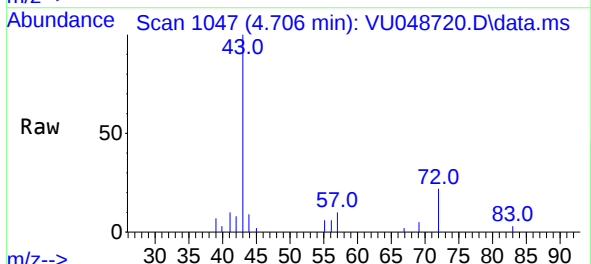
Tgt Ion: 45 Resp: 3038
Ion Ratio Lower Upper
45 100
43 57.0 65.2 97.8
87 28.0 22.7 34.1
59 11.8 9.2 13.8

Manual Integrations
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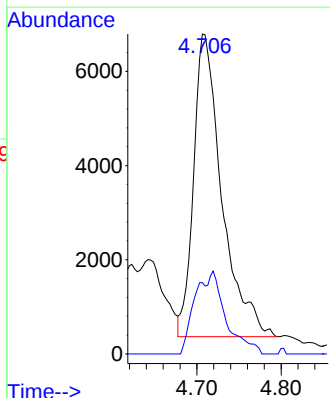
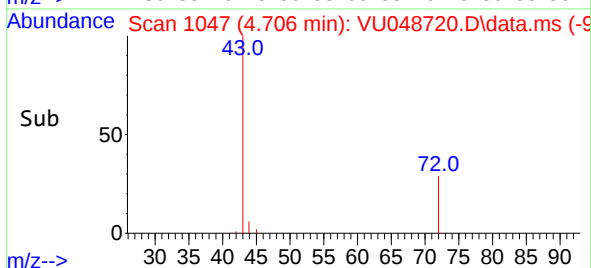
Reviewed By :John Carlone 05/31/2022
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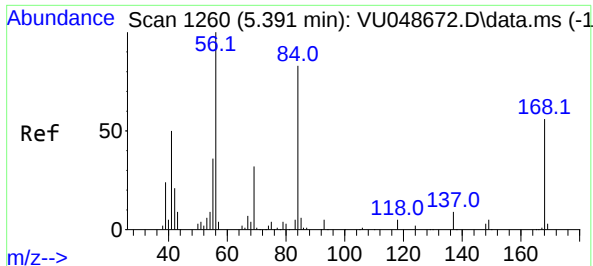


#25
2-Butanone
Concen: 5.845 ug/l
RT: 4.706 min Scan# 1047
Delta R.T. 0.006 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48



Tgt Ion: 43 Resp: 14959
Ion Ratio Lower Upper
43 100
72 23.6 21.1 31.7





#31

Cyclohexane

Concen: 142.395 ug/l

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048720.D

Acq: 28 May 2022 02:48

Instrument :

MSVOA_U

ClientSampleId :

TW-16

Tgt Ion: 56 Resp: 627260

Ion Ratio Lower Upper

56 100

69 30.0 25.6 38.4

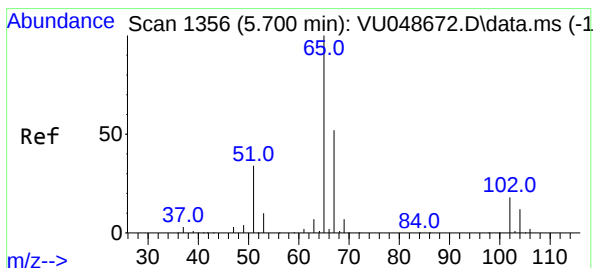
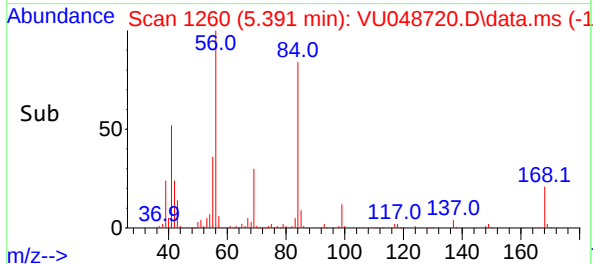
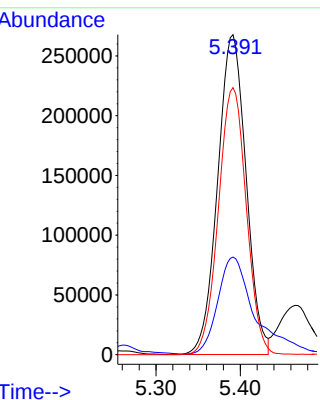
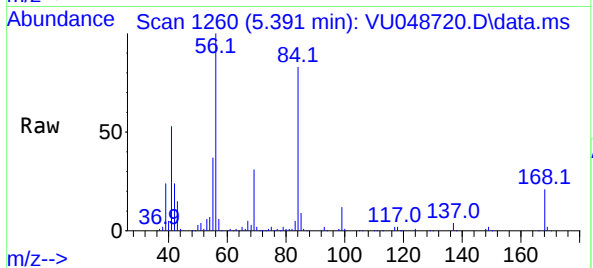
84 83.5 66.2 99.4

Manual Integrations

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Supervised By :Mahesh Dadoda 05/31/2022



#33

1,2-Dichloroethane-d4

Concen: 48.270 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU048720.D

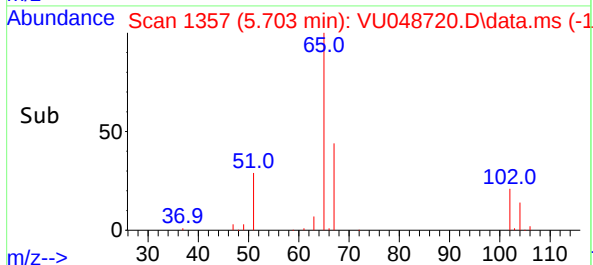
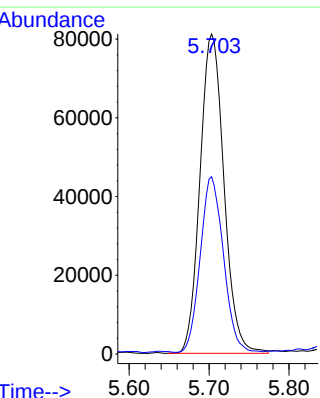
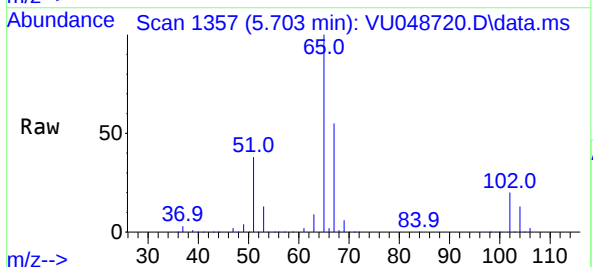
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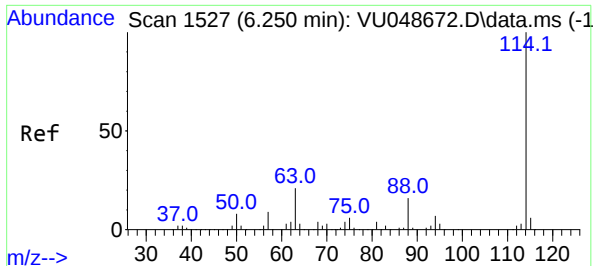
Tgt Ion: 65 Resp: 168724

Ion Ratio Lower Upper

65 100

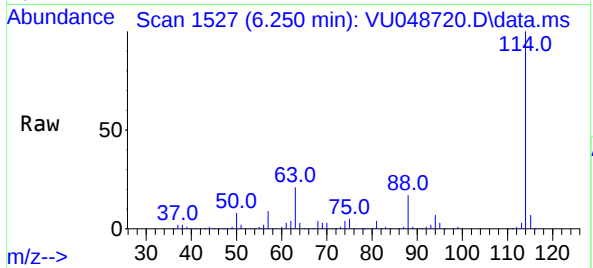
67 53.3 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 114
Delta R.T. -0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

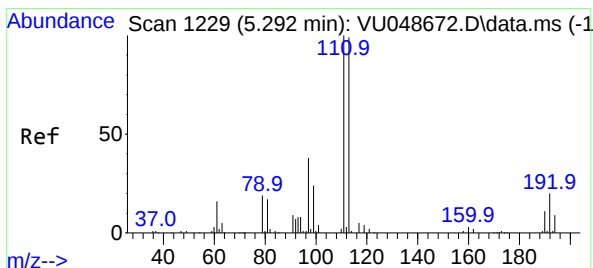
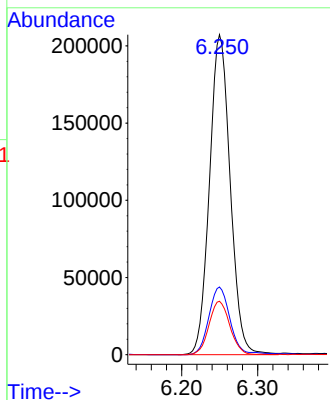
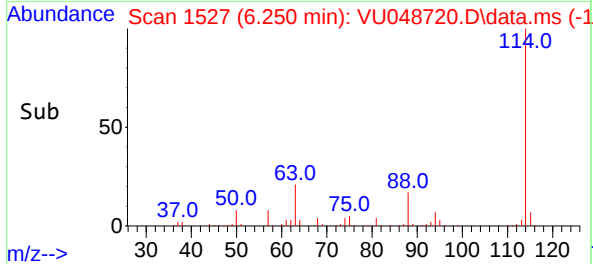
Instrument :
MSVOA_U
ClientSampleId :
TW-16



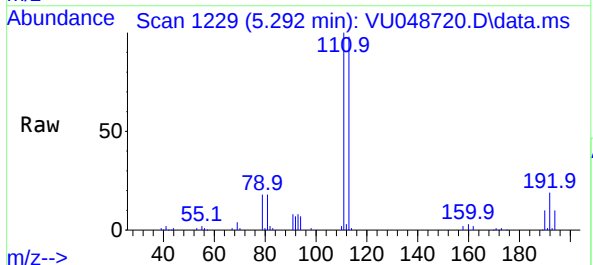
Tgt Ion:114 Resp: 392130
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.6
88 16.7 0.0 32.2

Manual Integrations
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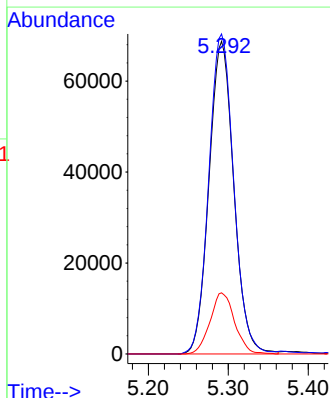
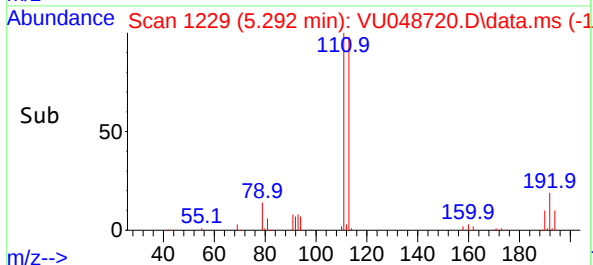
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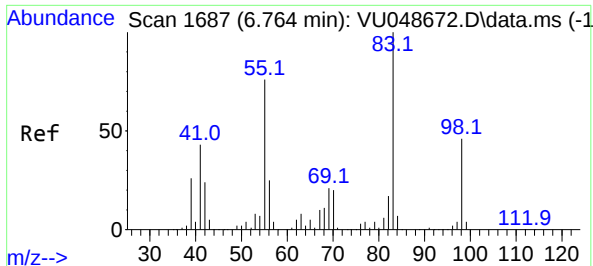


#35
Dibromofluoromethane
Concen: 52.883 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48



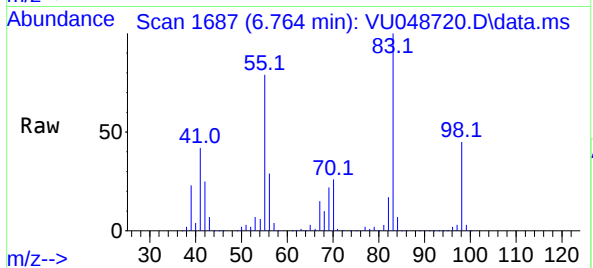
Tgt Ion:113 Resp: 147945
Ion Ratio Lower Upper
113 100
111 102.7 80.7 121.1
192 19.4 15.9 23.9





#39
Methylcyclohexane
Concen: 91.335 ug/l
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

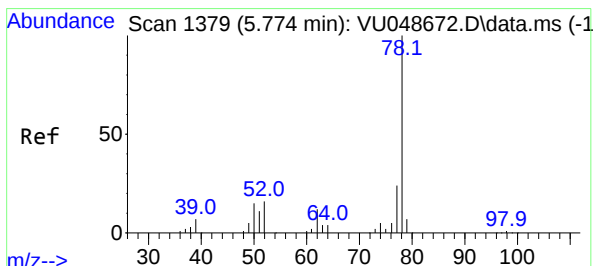
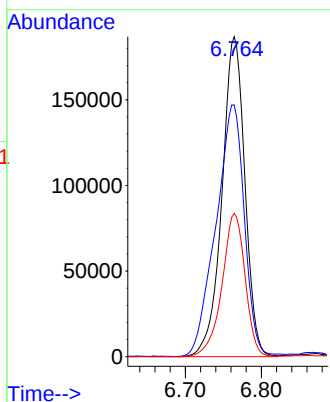
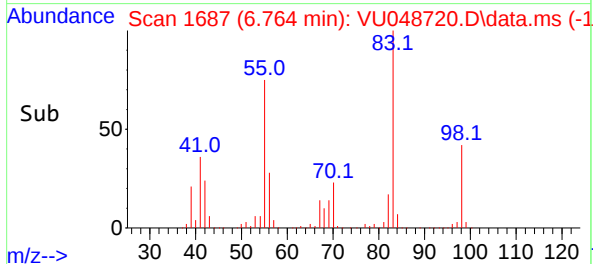
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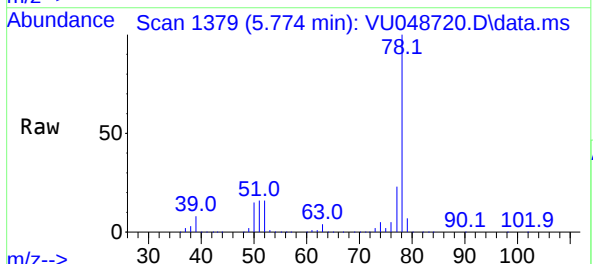
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Ion Ratio Lower Upper
83 100
55 78.5 61.0 91.6
98 44.8 36.8 55.2

Manual Integrations
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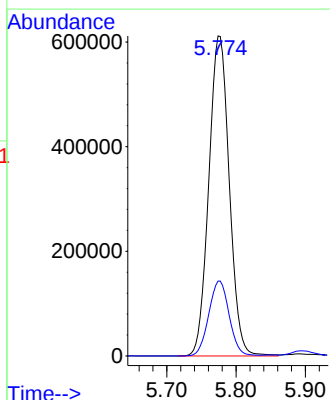
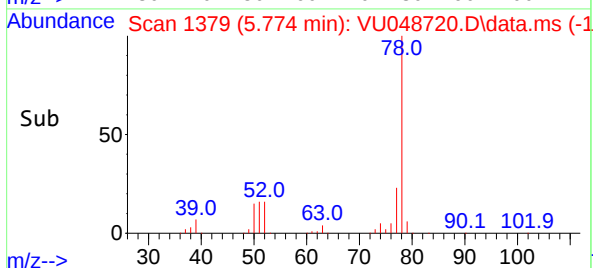
Reviewed By :John Carlone 05/31/2022
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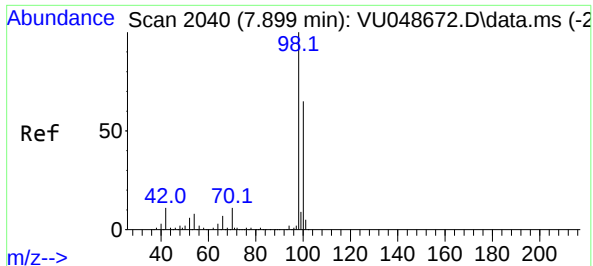


#40
Benzene
Concen: 104.112 ug/l
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48



Tgt Ion: 78 Resp: 1254992
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6





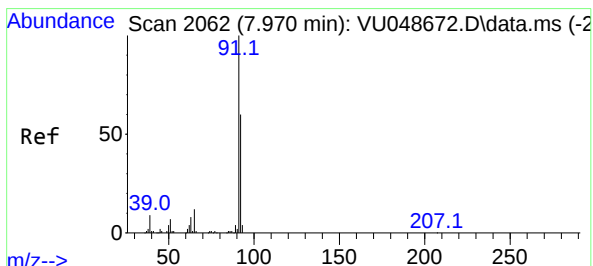
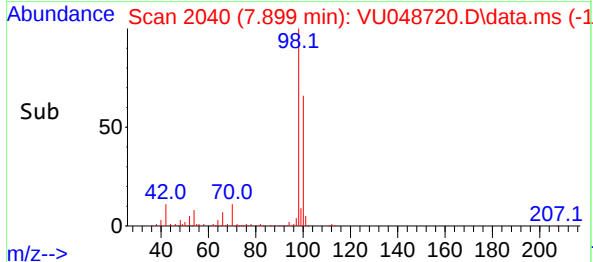
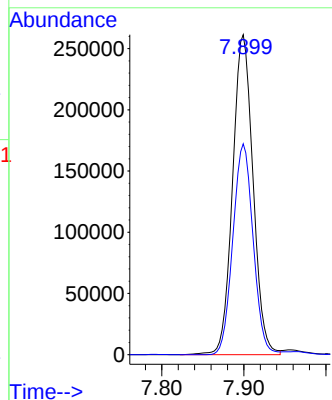
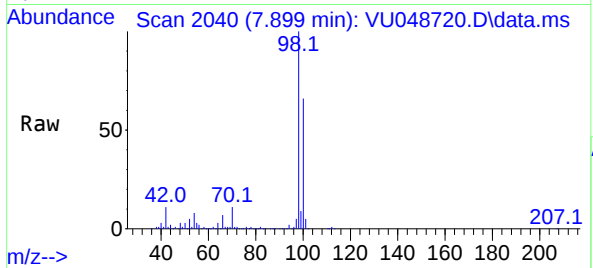
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Toluene-d8
Concen: 45.169 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

Instrument :
MSVOA_U
ClientSampleId :
TW-16

Tgt Ion: 98 Resp: 45296
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4

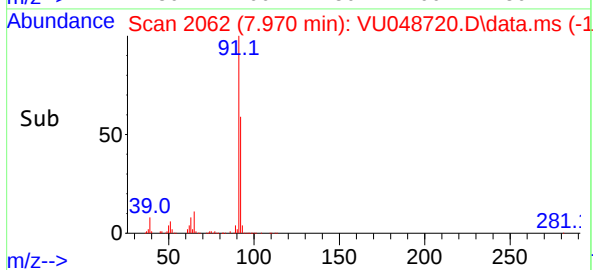
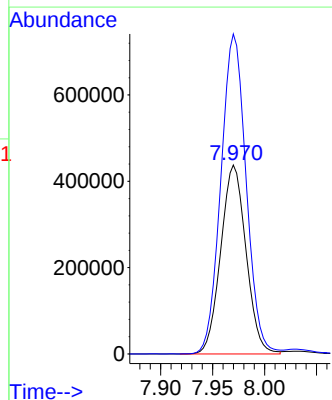
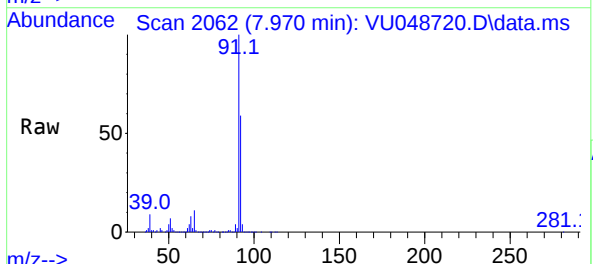
Manual Integrations
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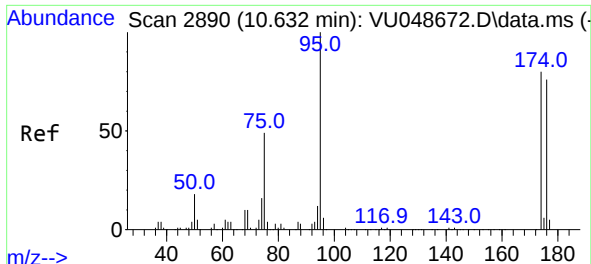
Reviewed By :John Carlone 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022



#52
Toluene
Concen: 102.722 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

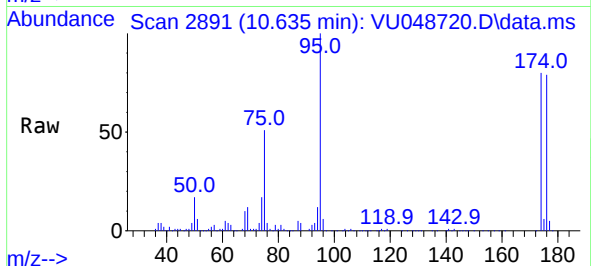
Tgt Ion: 92 Resp: 740653
Ion Ratio Lower Upper
92 100
91 168.9 135.0 202.4





#62
4-Bromofluorobenzene
Concen: 61.490 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

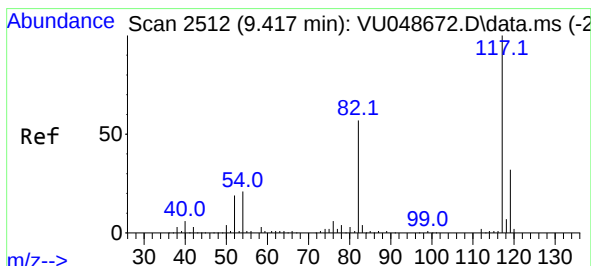
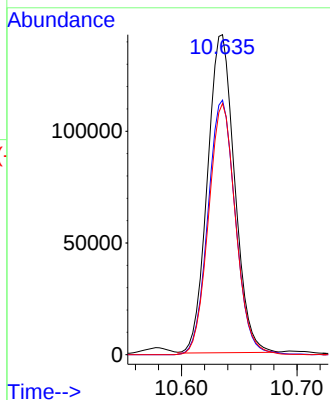
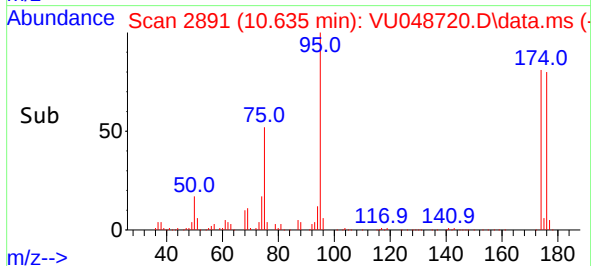
Instrument :
MSVOA_U
ClientSampleId :
TW-16



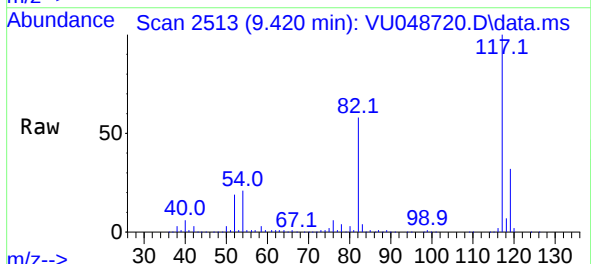
Tgt Ion: 95 Resp: 233209
Ion Ratio Lower Upper
95 100
174 80.8 0.0 159.4
176 78.7 0.0 152.4

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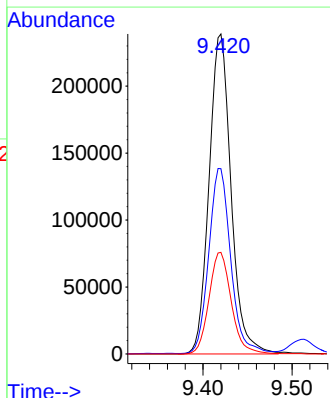
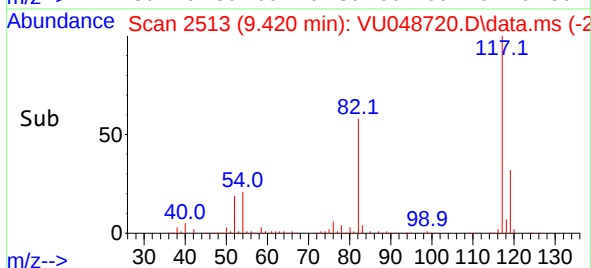
Reviewed By :John Carlone 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

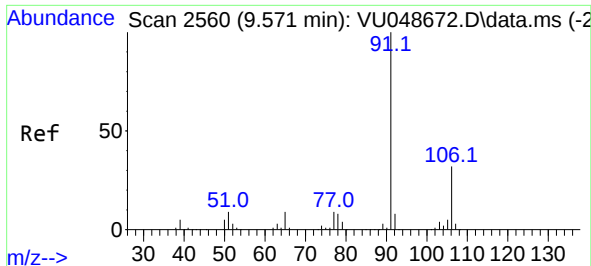


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48



Tgt Ion:117 Resp: 408940
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 31.7 25.4 38.2





#67

Ethyl Benzene

Concen: 1357.828 ug/l m

RT: 9.568 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU048720.D

Acq: 28 May 2022 02:48

Instrument :

MSVOA_U

ClientSampleId :

TW-16

Tgt Ion: 91 Resp:19807490

Ion Ratio Lower Upper

91 100

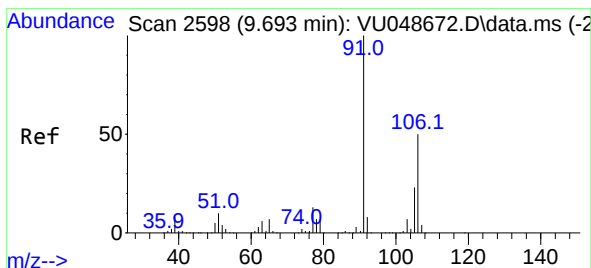
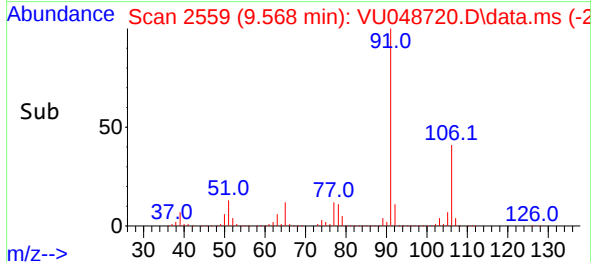
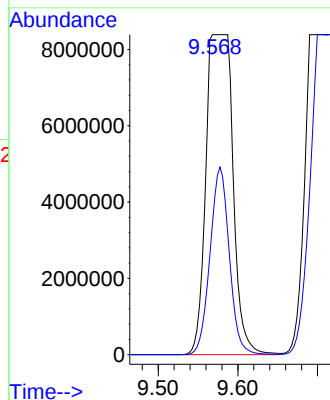
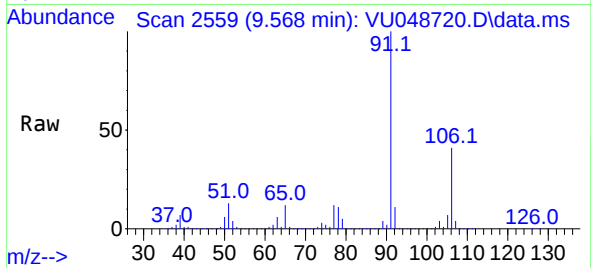
106 40.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/31/2022

Supervised By :Mahesh Dadoda 05/31/2022



#68

m/p-Xylenes

Concen: 3227.143 ug/l m

RT: 9.700 min Scan# 2600

Delta R.T. 0.006 min

Lab File: VU048720.D

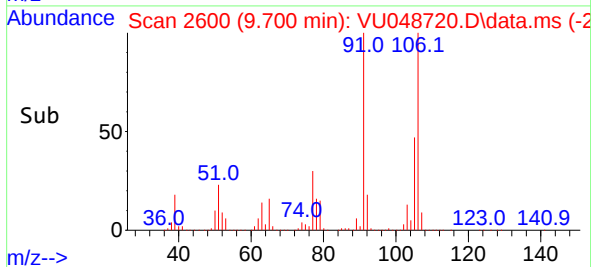
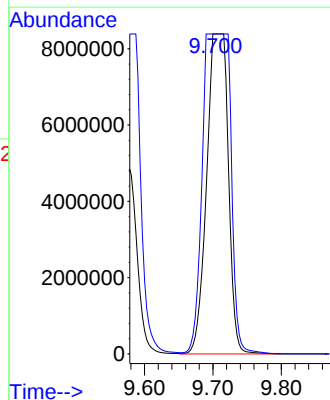
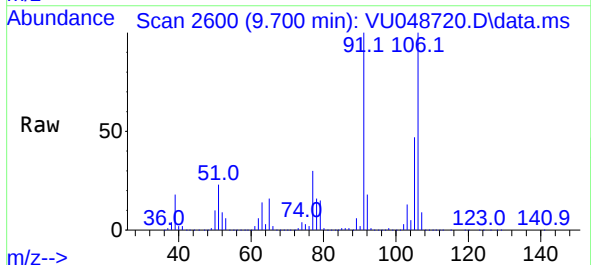
Acq: 28 May 2022 02:48

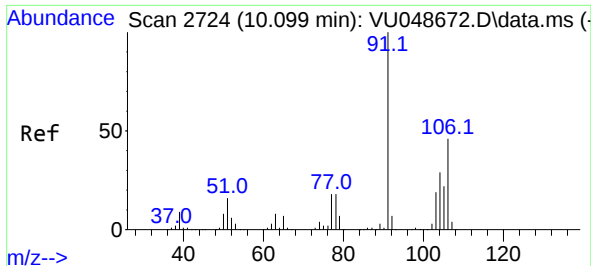
Tgt Ion:106 Resp:18412065

Ion Ratio Lower Upper

106 100

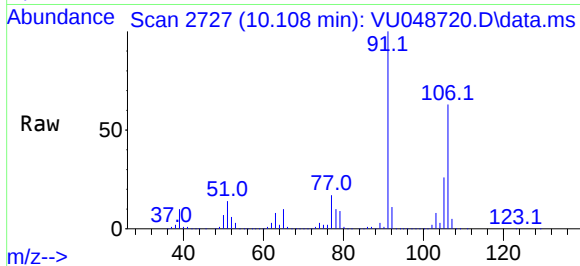
91 0.0 162.4 243.6#





#69
o-Xylene
Concen: 1558.665 ug/l
RT: 10.108 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

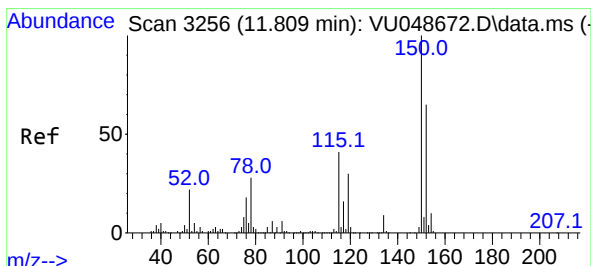
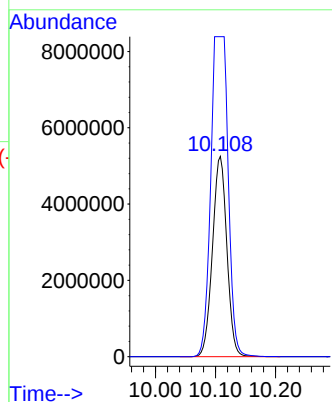
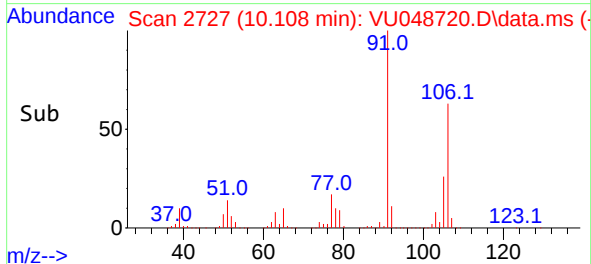
Instrument :
MSVOA_U
ClientSampleId :
TW-16



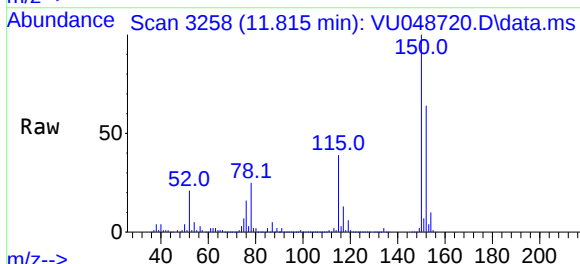
Tgt Ion:106 Resp: 873674
Ion Ratio Lower Upper
106 100
91 0.0 107.7 323.3

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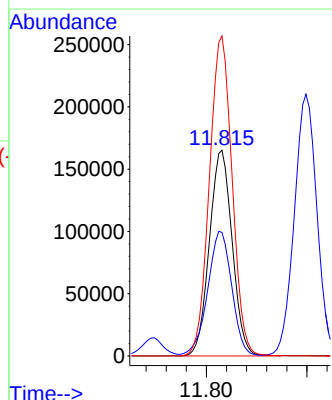
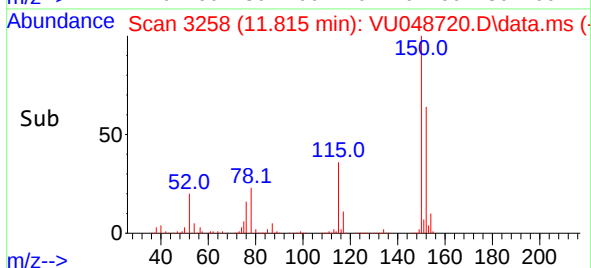
Reviewed By :John Carlone 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

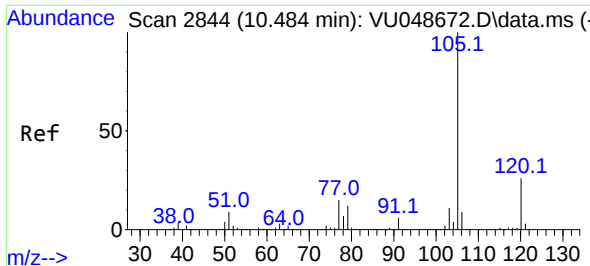


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.006 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48



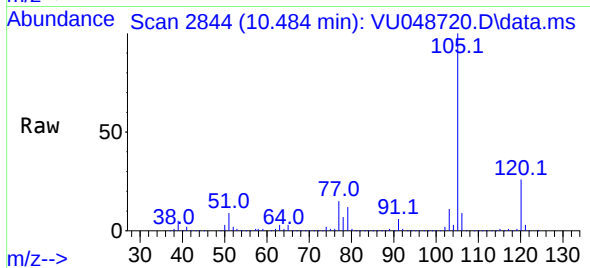
Tgt Ion:152 Resp: 260414
Ion Ratio Lower Upper
152 100
115 62.8 41.8 125.4
150 154.9 0.0 341.0





#73
Isopropylbenzene
Concen: 84.212 ug/l
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

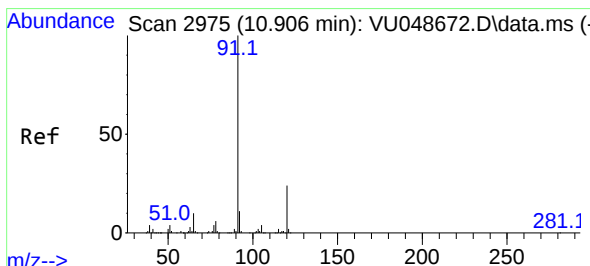
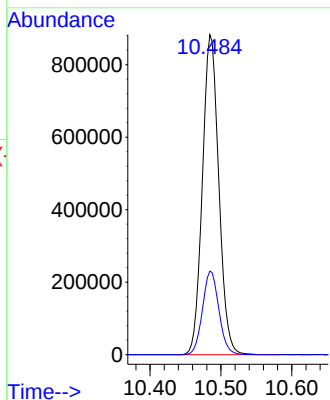
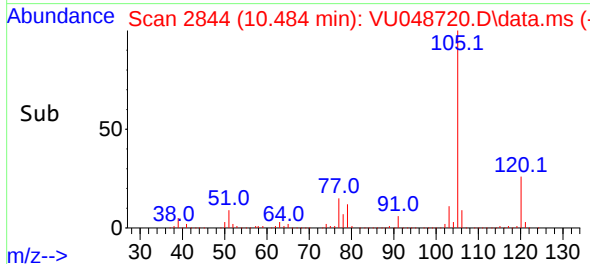
Instrument :
MSVOA_U
ClientSampleId :
TW-16



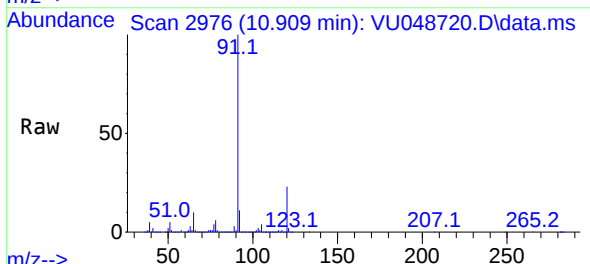
Tgt Ion:105 Resp: 1415788
Ion Ratio Lower Upper
105 100
120 26.1 12.9 38.6

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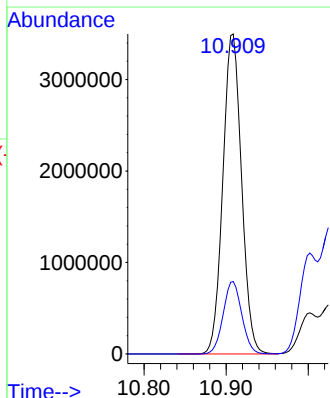
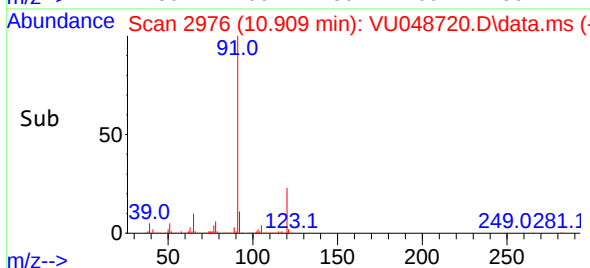
Reviewed By :John Carlone 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

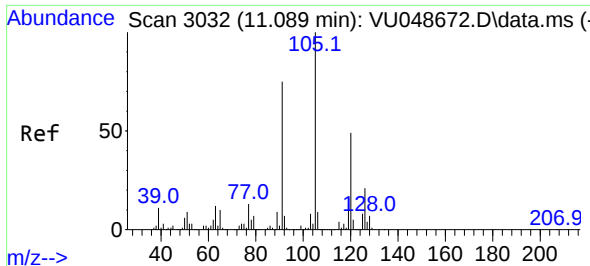


#78
n-propylbenzene
Concen: 276.009 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48



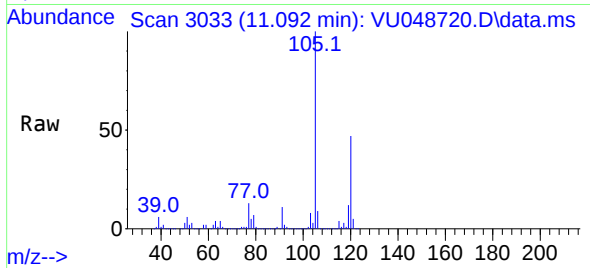
Tgt Ion: 91 Resp: 5529340
Ion Ratio Lower Upper
91 100
120 22.6 11.6 34.7





#80
1,3,5-Trimethylbenzene
Concen: 484.210 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48

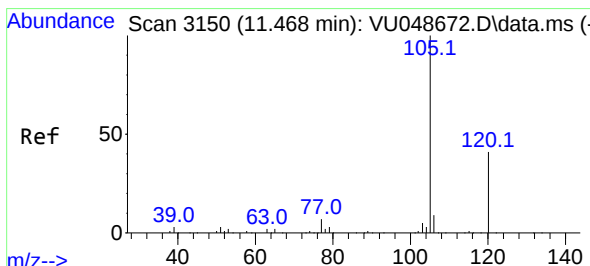
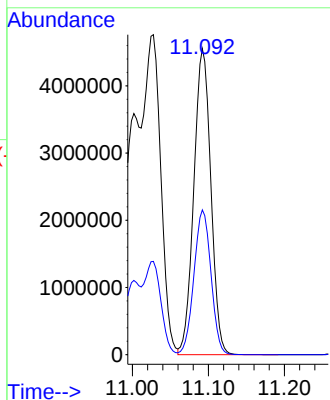
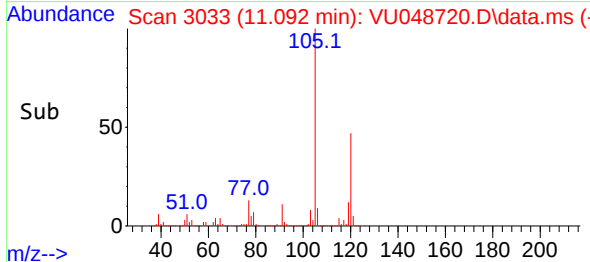
Instrument :
MSVOA_U
ClientSampleId :
TW-16



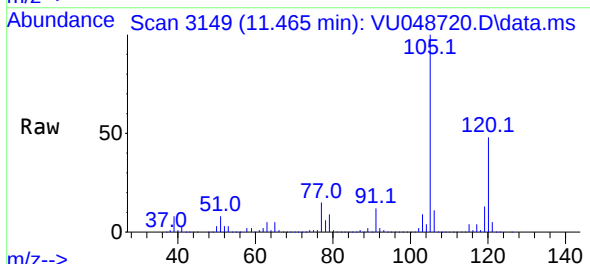
Tgt Ion:105 Resp: 7079349
Ion Ratio Lower Upper
105 100
120 47.3 24.1 72.3

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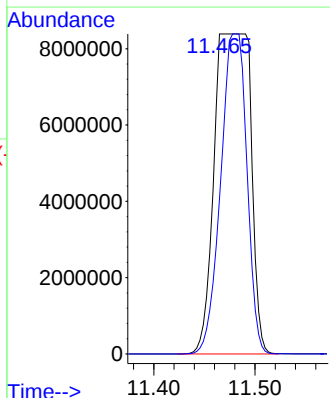
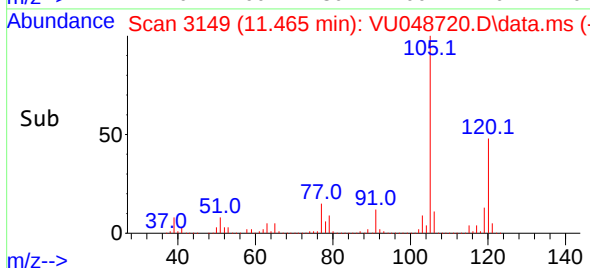
Reviewed By :John Carlone 05/31/2022
Supervised By :Mahesh Dadoda 05/31/2022

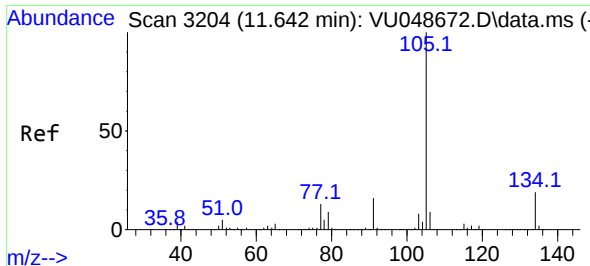


#84
1,2,4-Trimethylbenzene
Concen: 1305.489 ug/l m
RT: 11.465 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU048720.D
Acq: 28 May 2022 02:48



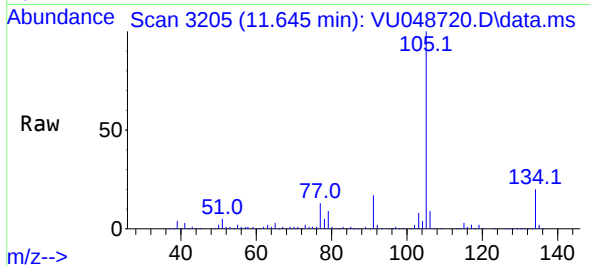
Tgt Ion:105 Resp:21051309
Ion Ratio Lower Upper
105 100
120 16.2 22.5 67.5#





#85
 sec-Butylbenzene
 Concen: 13.868 ug/l m
 RT: 11.645 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048720.D
 Acq: 28 May 2022 02:48

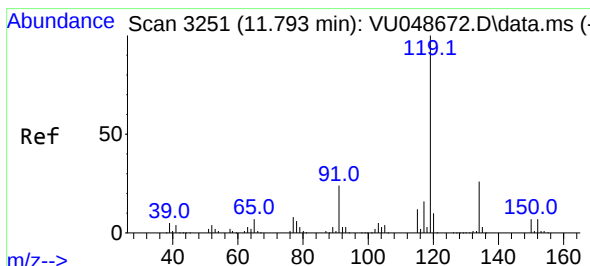
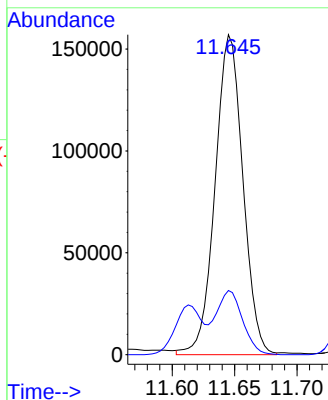
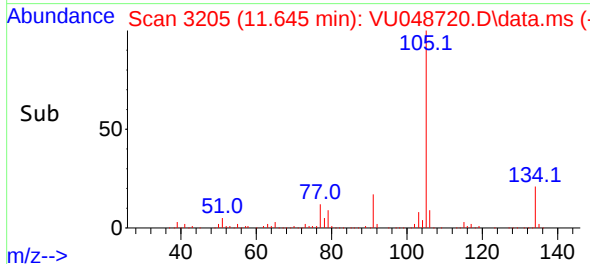
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-16



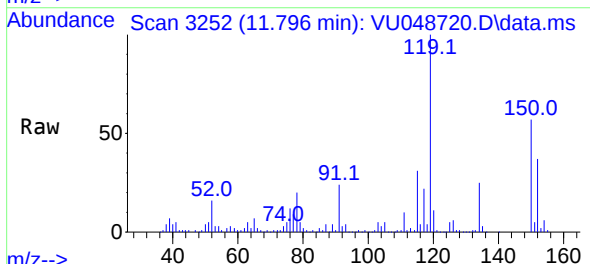
Tgt Ion:105 Resp: 24344
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6

Manual Integrations
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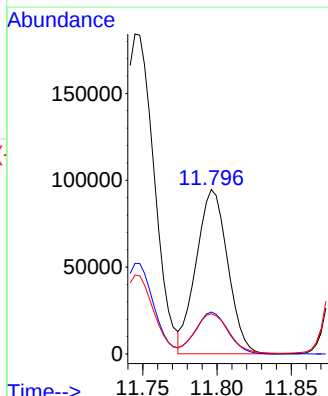
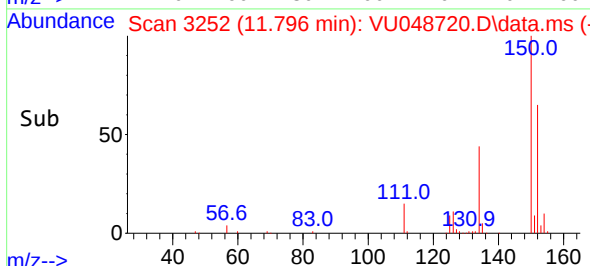
Reviewed By :John Carlone 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

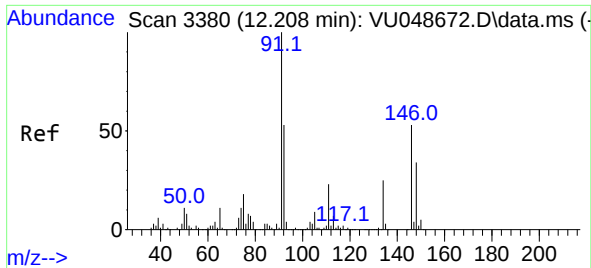


#86
 p-Isopropyltoluene
 Concen: 9.255 ug/l
 RT: 11.796 min Scan# 3252
 Delta R.T. 0.003 min
 Lab File: VU048720.D
 Acq: 28 May 2022 02:48



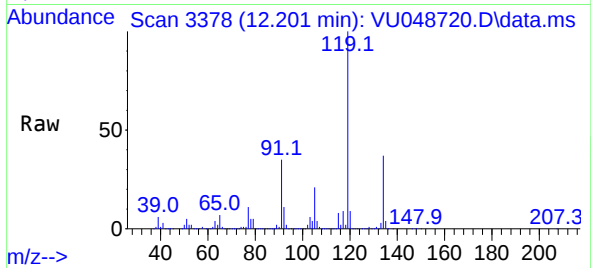
Tgt Ion:119 Resp: 139525
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.8 38.4
 91 25.7 12.0 36.0





#89
 n-Butylbenzene
 Concen: 21.329 ug/l m
 RT: 12.201 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: VU048720.D
 Acq: 28 May 2022 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-16



Tgt Ion: 91	Resp: 302075
Ion Ratio	Lower Upper
91	100
92	75.0 25.9 77.8
134	307.5 12.5 37.5

Manual Integrations
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Reviewed By :John Carlone 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

