

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
 Data File : VX025451.D
 Acq On : 03 Dec 2021 00:56
 Operator : JC/MD
 Sample : M4917-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-31

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/17/2021
 Supervised By :Mahesh Dadoda 12/17/2021

Quant Time: Dec 14 04:55:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	101922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173698	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61427	57.177	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.360%			
35) Dibromofluoromethane	5.391	113	54371	51.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%			
50) Toluene-d8	8.653	98	201568	50.303	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.600%			
62) 4-Bromofluorobenzene	11.085	95	67944	44.820	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.640%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	33933	123.152	ug/l	99
16) Acetone	2.380	43	1516	2.540	ug/l #	86
17) Carbon Disulfide	2.520	76	3290m	1.238	ug/l	
19) Methyl tert-butyl Ether	3.117	73	310603	94.366	ug/l	99
22) Diisopropyl ether	3.763	45	7987	2.453	ug/l #	84
31) Cyclohexane	5.470	56	2553	1.538	ug/l	92
39) Methylcyclohexane	7.385	83	1147	0.590	ug/l	93
40) Benzene	6.043	78	128081	27.900	ug/l	98
52) Toluene	8.720	92	4020	1.341	ug/l	98
67) Ethyl Benzene	10.195	91	57335	10.684	ug/l	94
68) m/p-Xylenes	10.305	106	18573	8.473	ug/l	95
69) o-Xylene	10.646	106	11865	5.530	ug/l	92
73) Isopropylbenzene	10.963	105	16693	3.491	ug/l	95
78) n-propylbenzene	11.305	91	19821	3.693	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	2406	0.599	ug/l	89
84) 1,2,4-Trimethylbenzene	11.756	105	10628	2.675	ug/l	95
85) sec-Butylbenzene	11.890	105	2365	0.476	ug/l #	62
95) Naphthalene	13.780	128	24347	5.041	ug/l	98

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

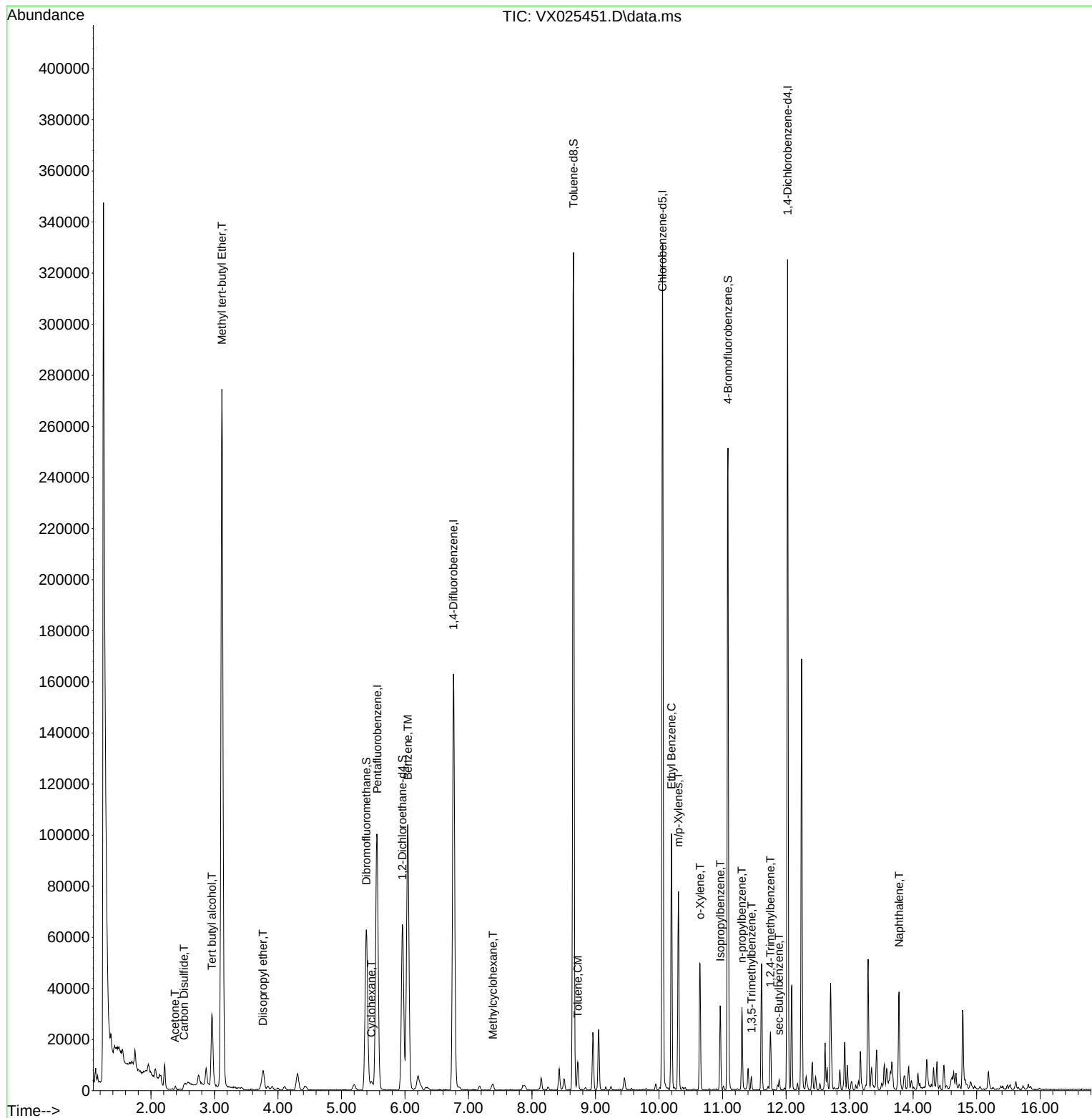
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
Data File : VX025451.D
Acq On : 03 Dec 2021 00:56
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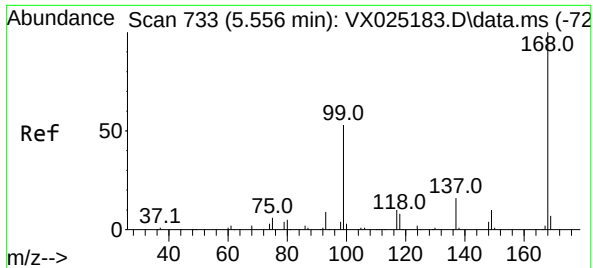
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Dec 14 04:55:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration

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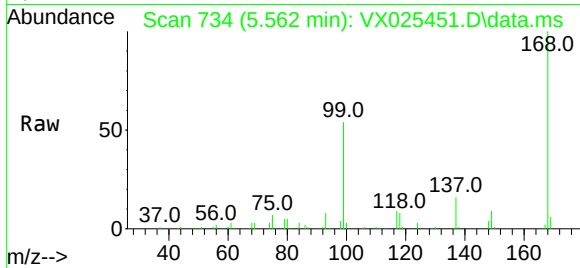
Reviewed By : Semsettin Yesilyurt 12/17/2021
Supervised By : Mahesh Dadoda 12/17/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

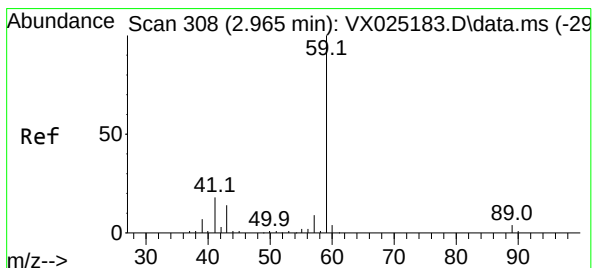
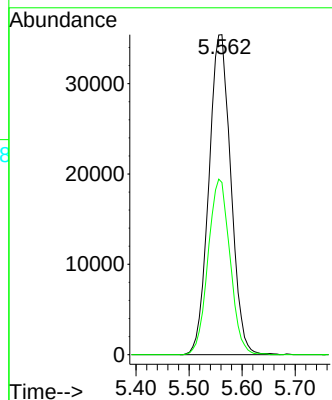
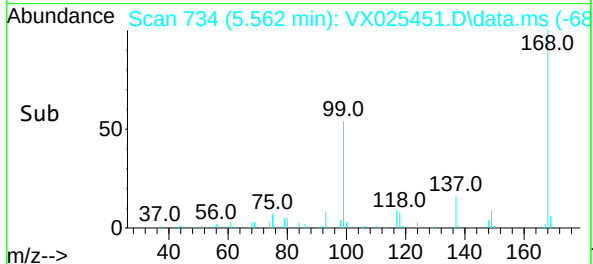
Instrument :
MSVOA_X
ClientSampleId :
MW-31



Tgt Ion:168 Resp: 10192
Ion Ratio Lower Upper
168 100
99 53.8 46.4 69.6

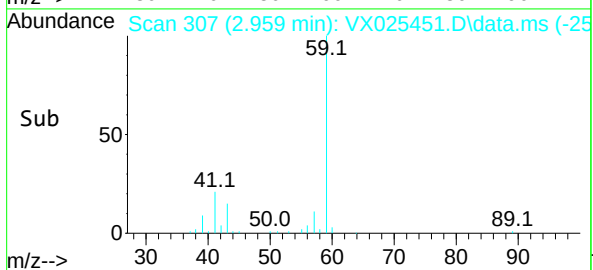
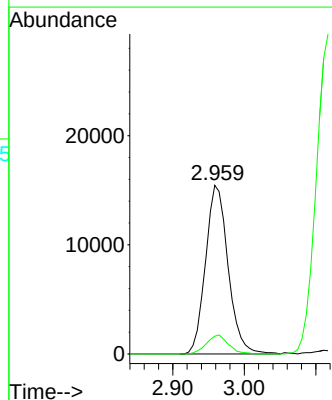
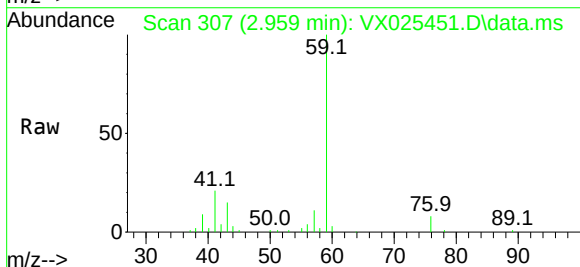
Manual Integrations
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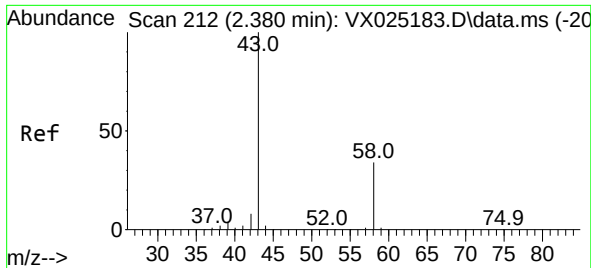
Reviewed By :Semsettin Yesilyurt 12/17/2021
Supervised By :Mahesh Dadoda 12/17/2021



#11
Tert butyl alcohol
Concen: 123.152 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

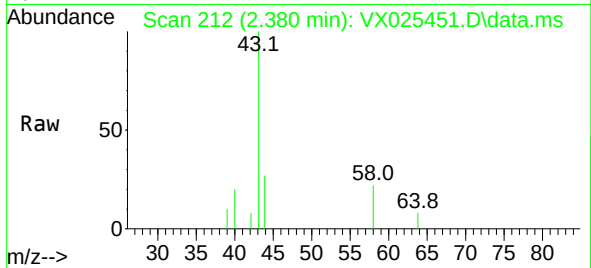
Tgt Ion: 59 Resp: 33933
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7





#16
Acetone
Concen: 2.540 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

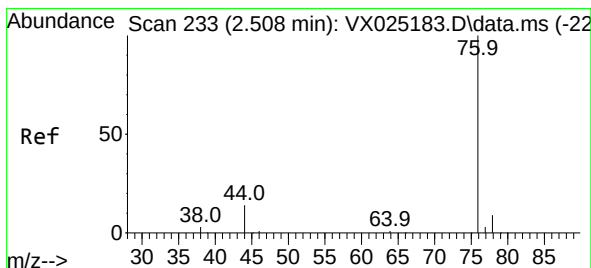
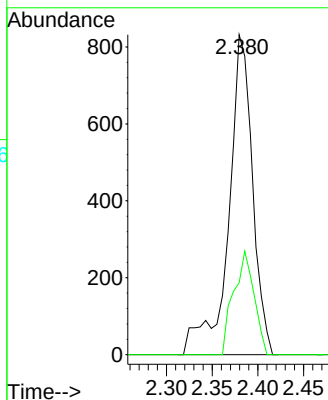
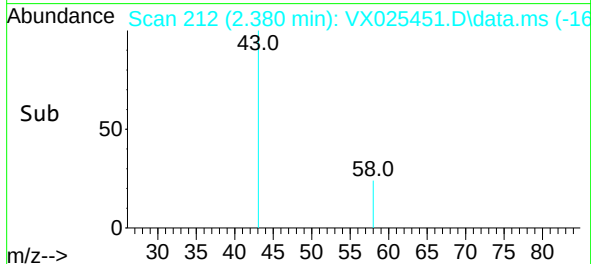
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MSVOA_X
ClientSampleId :
MW-31



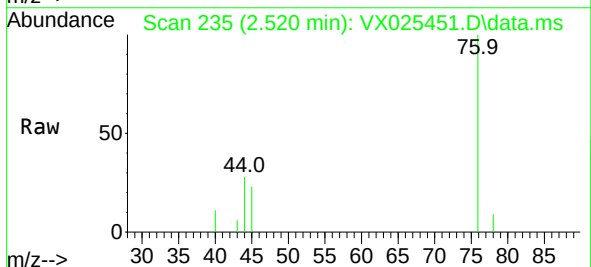
Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
58 22.5 24.0 36.0

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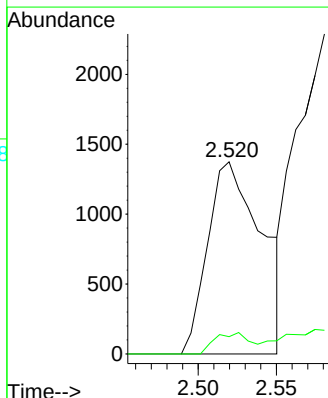
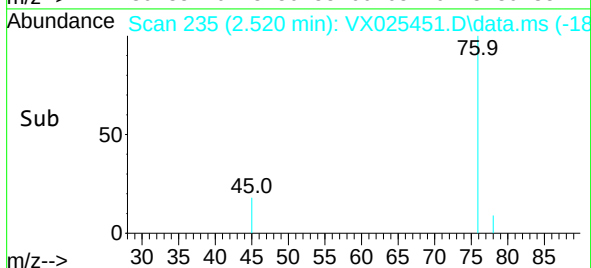
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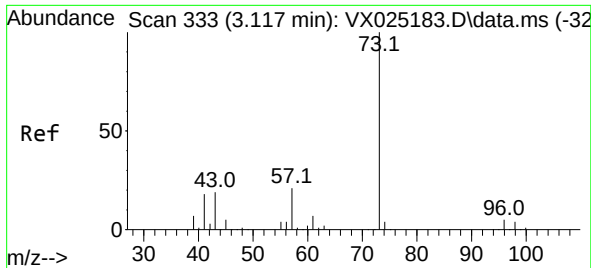


#17
Carbon Disulfide
Concen: 1.238 ug/l m
RT: 2.520 min Scan# 235
Delta R.T. 0.012 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56



Tgt Ion: 76 Resp: 3290
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3





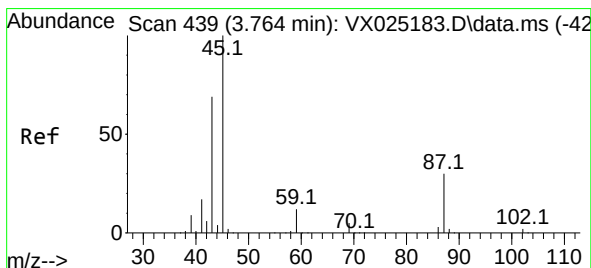
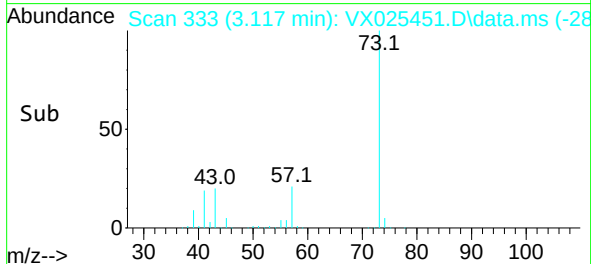
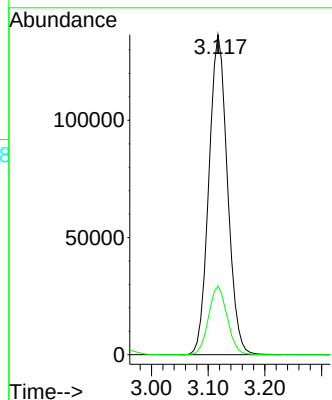
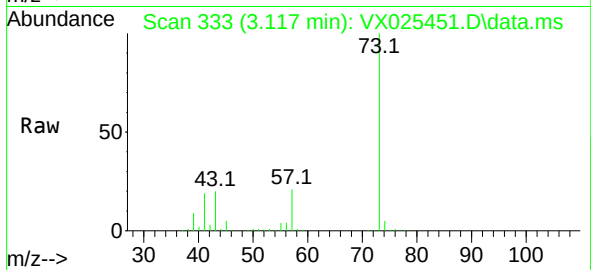
#19
Methyl tert-butyl Ether
Concen: 94.366 ug/l
RT: 3.117 min Scan# 31060
Delta R.T. 0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Instrument :
MSVOA_X
ClientSampleId :
MW-31

Tgt Ion: 73 Resp: 31060
Ion Ratio Lower Upper
73 100
57 21.5 17.5 26.3

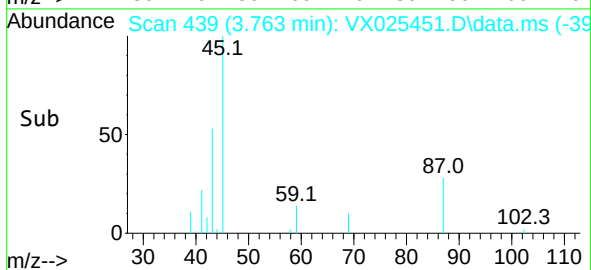
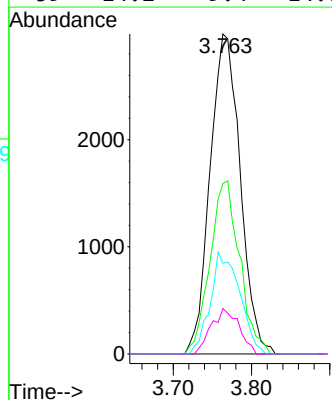
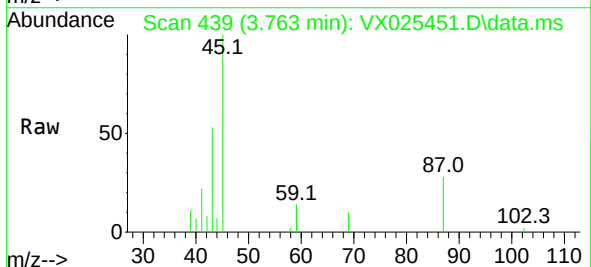
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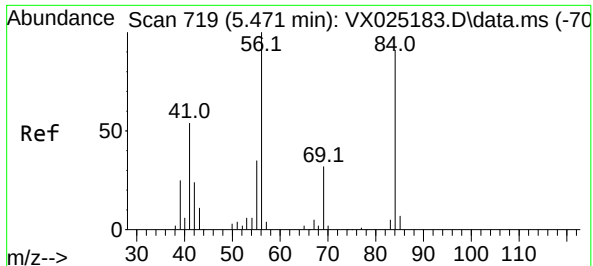
Reviewed By :Semsettin Yesilyurt 12/17/2021
Supervised By :Mahesh Dadoda 12/17/2021



#22
Diisopropyl ether
Concen: 2.453 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.001 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

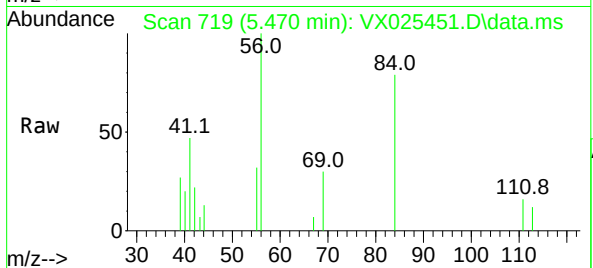
Tgt Ion: 45 Resp: 7987
Ion Ratio Lower Upper
45 100
43 53.3 58.3 87.5#
87 28.3 23.7 35.5
59 14.2 9.4 14.0#





#31
Cyclohexane
Concen: 1.538 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.001 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

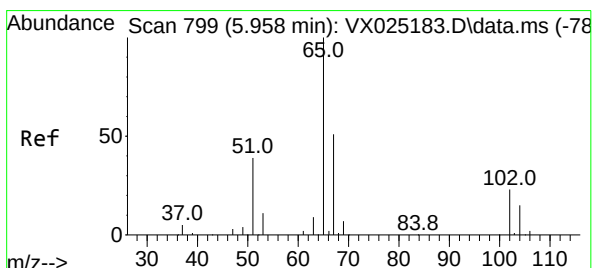
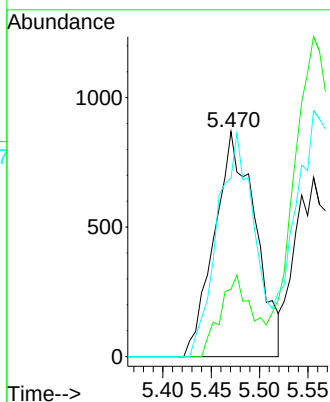
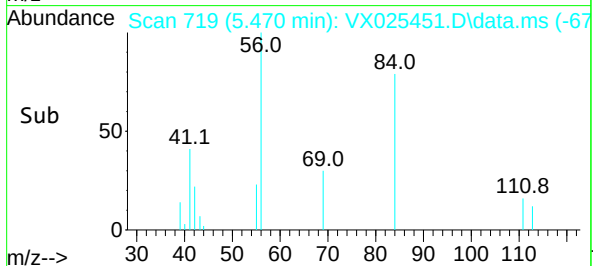
Instrument :
MSVOA_X
ClientSampleId :
MW-31



Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
69 29.9 24.2 36.2
84 79.3 71.5 107.3

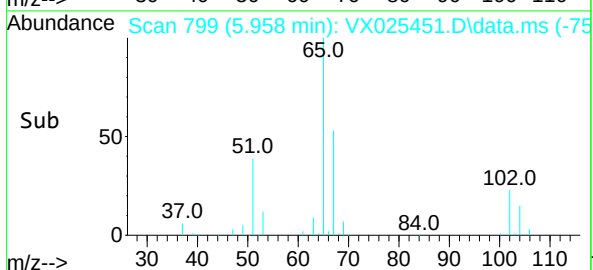
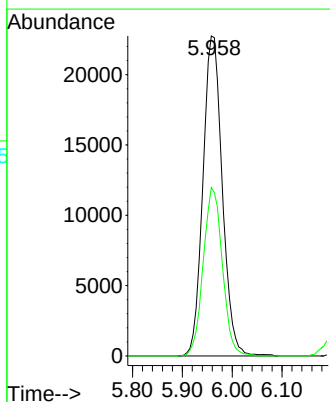
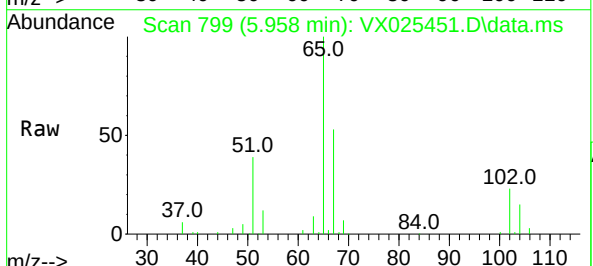
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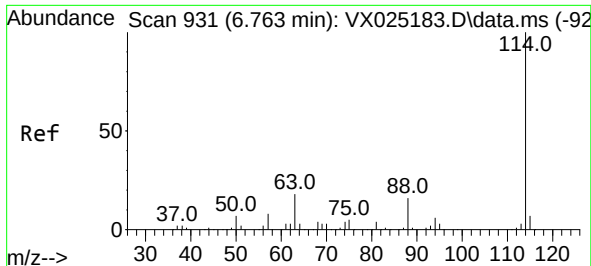
Reviewed By :Semsettin Yesilyurt 12/17/2021
Supervised By :Mahesh Dadoda 12/17/2021



#33
1,2-Dichloroethane-d4
Concen: 57.177 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Tgt Ion: 65 Resp: 61427
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.0





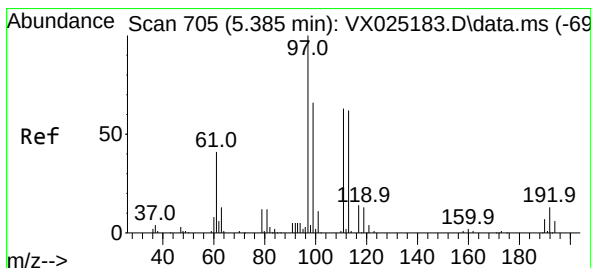
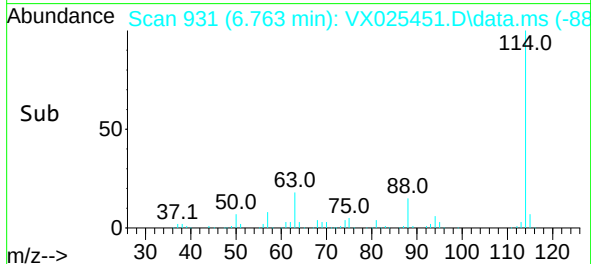
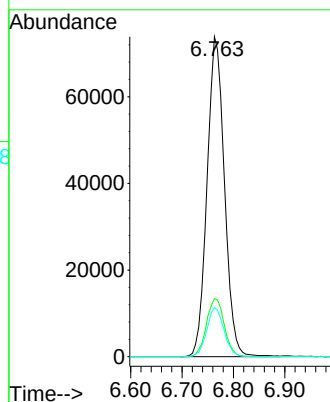
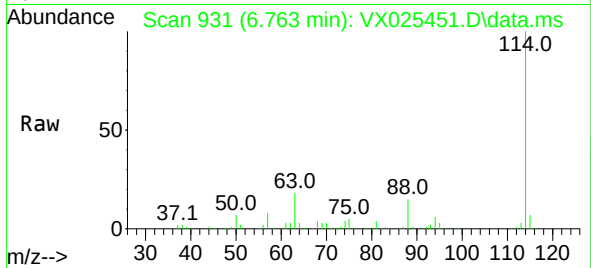
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

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MSVOA_X
ClientSampleId :
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Tgt Ion:114 Resp: 173698
Ion Ratio Lower Upper
114 100
63 18.2 0.0 41.0
88 15.4 0.0 34.8

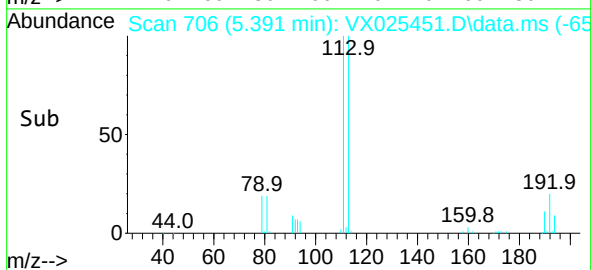
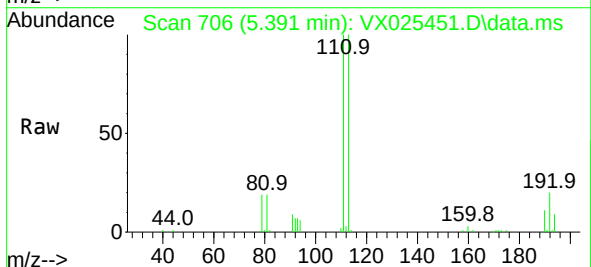
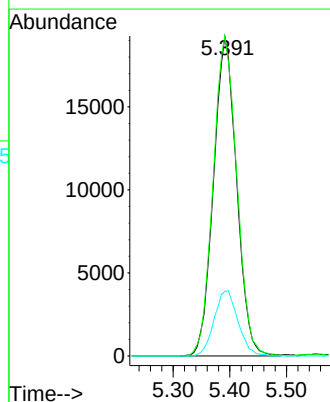
Manual Integrations
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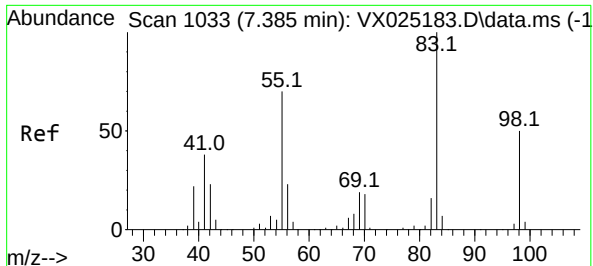
Reviewed By :Semsettin Yesilyurt 12/17/2021
Supervised By :Mahesh Dadoda 12/17/2021



#35
Dibromofluoromethane
Concen: 51.017 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Tgt Ion:113 Resp: 54371
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 21.1 15.6 23.4





#39

Methylcyclohexane

Concen: 0.590 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX025451.D

Acq: 03 Dec 2021 00:56

Instrument :

MSVOA_X

ClientSampleId :

MW-31

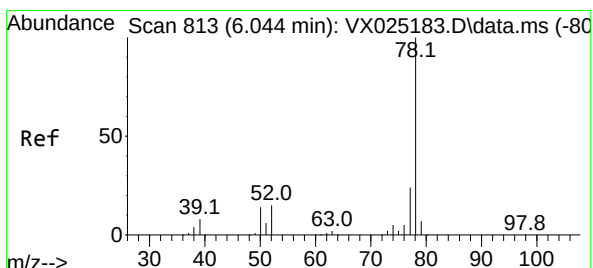
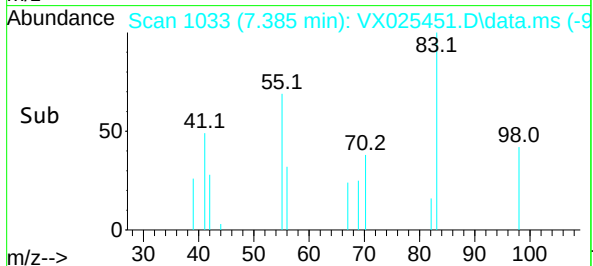
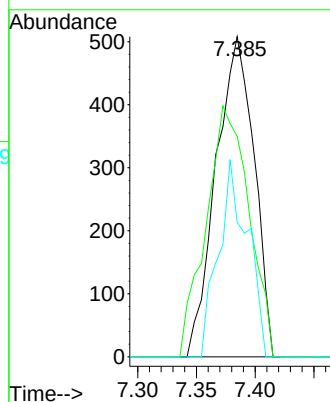
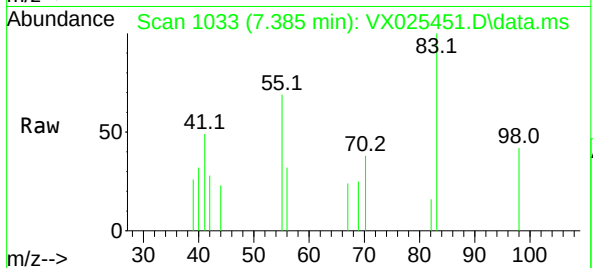
Tgt Ion: 83	Resp: 114
Ion Ratio	Lower Upper
83	100
55	68.9 60.8 91.2
98	42.1 37.0 55.4

Manual Integrations

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#40

Benzene

Concen: 27.900 ug/l

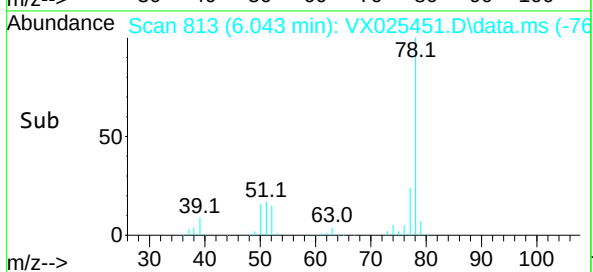
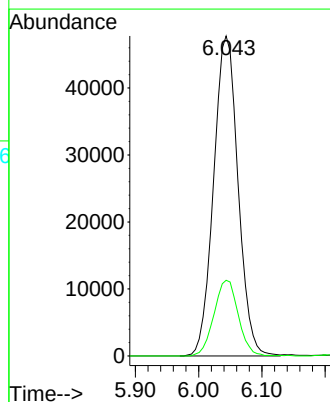
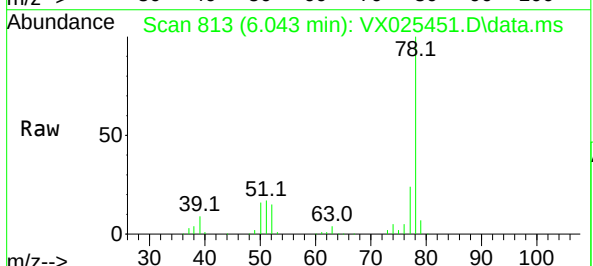
RT: 6.043 min Scan# 813

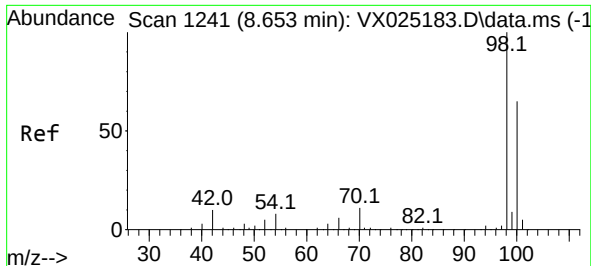
Delta R.T. -0.001 min

Lab File: VX025451.D

Acq: 03 Dec 2021 00:56

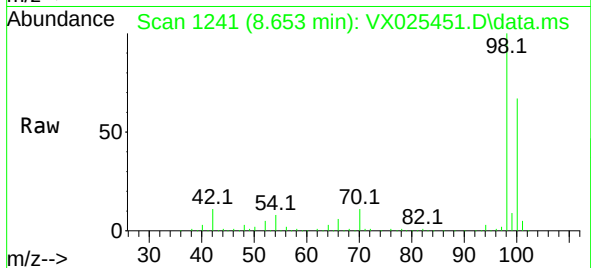
Tgt Ion: 78	Resp: 128081
Ion Ratio	Lower Upper
78	100
77	23.6 18.3 27.5





#50
Toluene-d8
Concen: 50.303 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

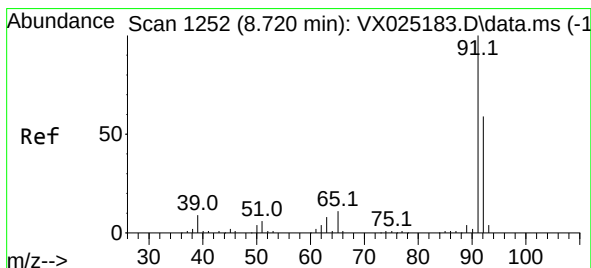
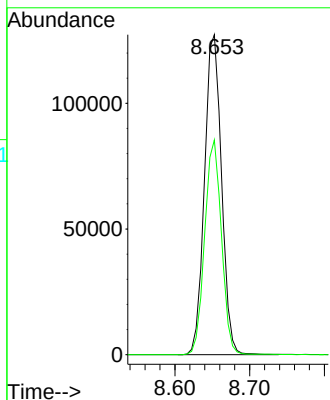
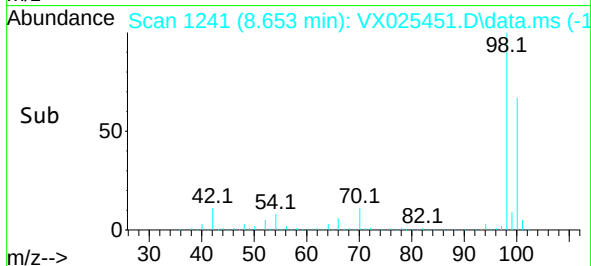
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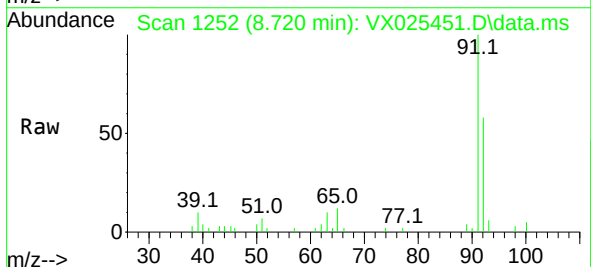
Tgt Ion: 98 Resp: 201568
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.0

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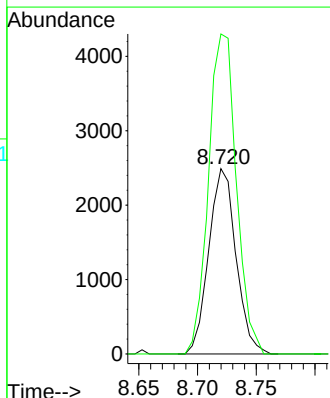
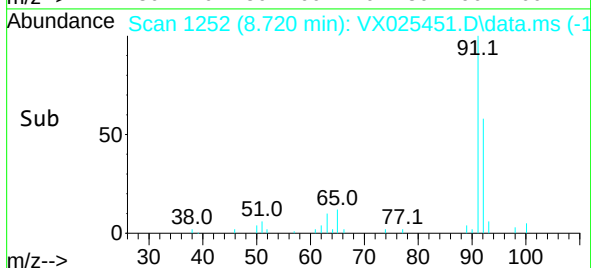
Reviewed By :Semsettin Yesilyurt 12/17/2021
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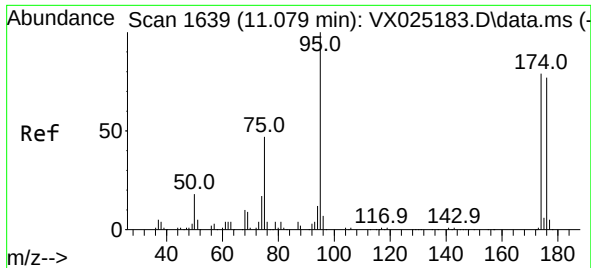


#52
Toluene
Concen: 1.341 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56



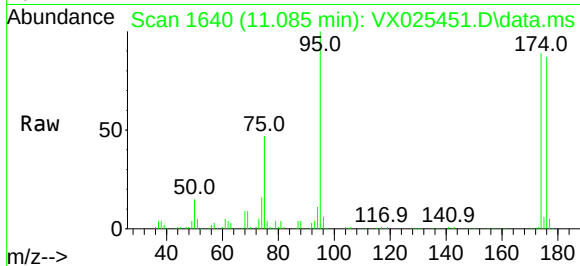
Tgt Ion: 92 Resp: 4020
Ion Ratio Lower Upper
92 100
91 176.6 138.6 208.0





#62
4-Bromofluorobenzene
Concen: 44.820 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

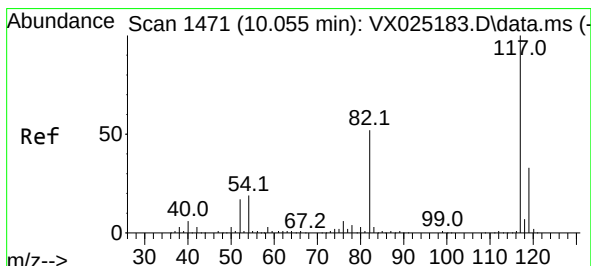
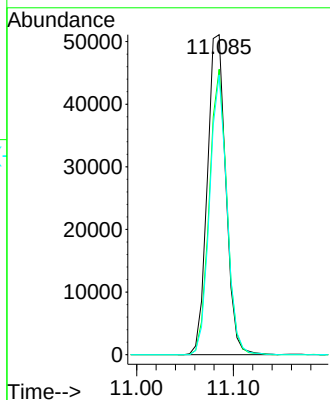
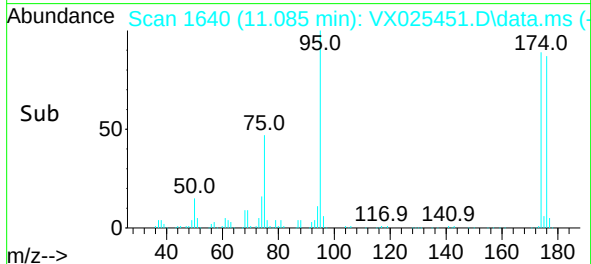
Instrument :
MSVOA_X
ClientSampleId :
MW-31



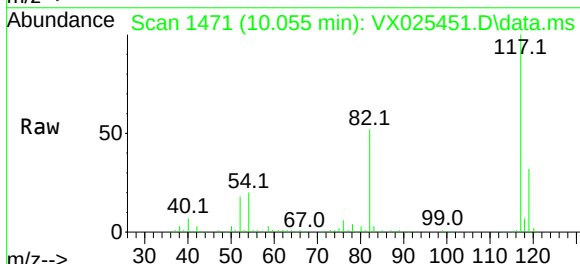
Tgt Ion: 95 Resp: 67944
Ion Ratio Lower Upper
95 100
174 84.3 0.0 158.0
176 81.8 0.0 153.6

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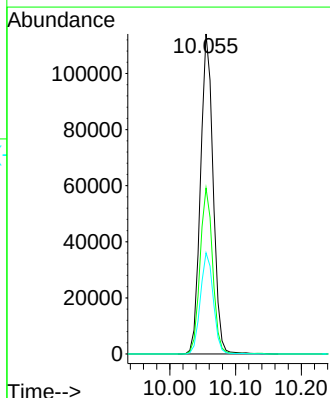
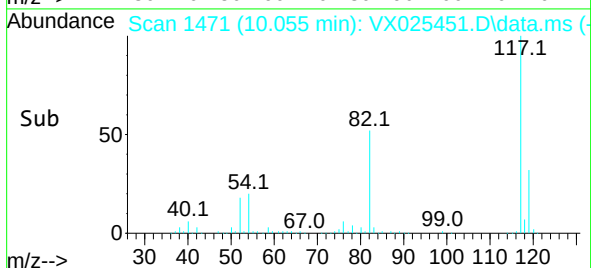
Reviewed By :Semsettin Yesilyurt 12/17/2021
Supervised By :Mahesh Dadoda 12/17/2021

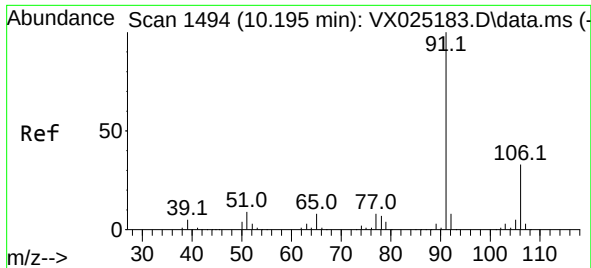


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56



Tgt Ion:117 Resp: 152391
Ion Ratio Lower Upper
117 100
82 51.9 44.6 67.0
119 31.6 24.8 37.2





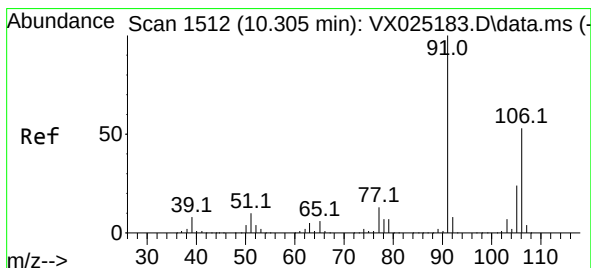
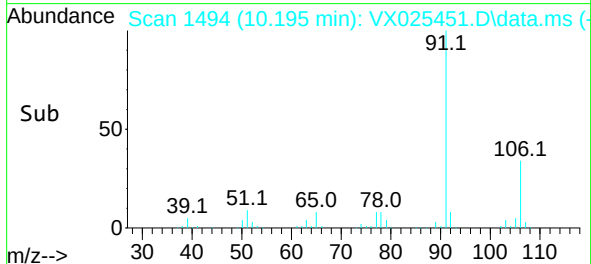
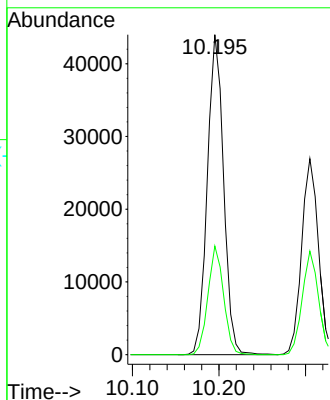
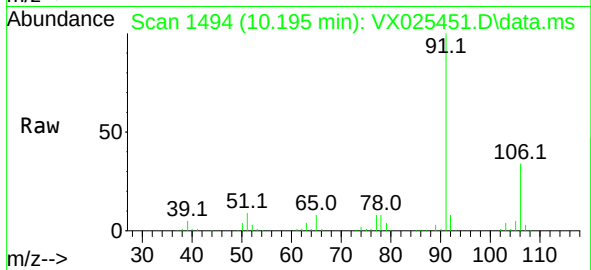
#67
Ethyl Benzene
Concen: 10.684 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Instrument :
MSVOA_X
ClientSampleId :
MW-31

Tgt Ion: 91 Resp: 5733
Ion Ratio Lower Upper
91 100
106 33.9 24.7 37.1

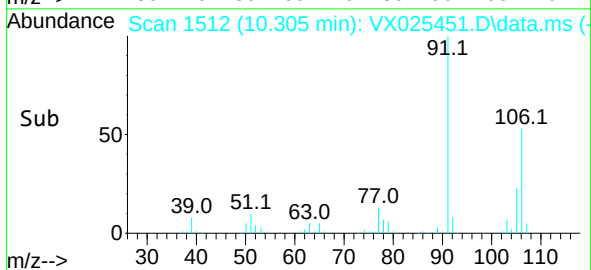
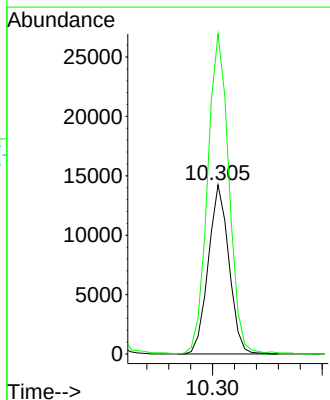
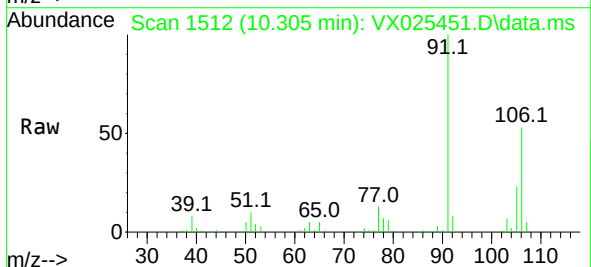
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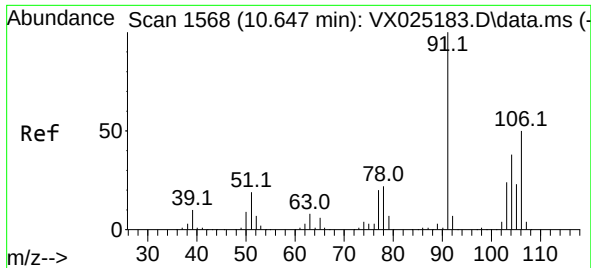
Reviewed By :Semsettin Yesilyurt 12/17/2021
Supervised By :Mahesh Dadoda 12/17/2021



#68
m/p-Xylenes
Concen: 8.473 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Tgt Ion:106 Resp: 18573
Ion Ratio Lower Upper
106 100
91 196.9 163.4 245.0





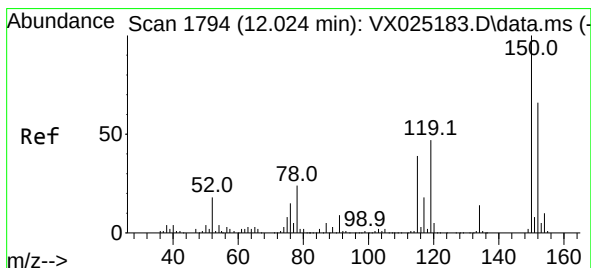
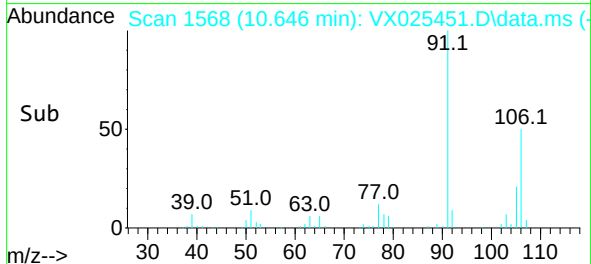
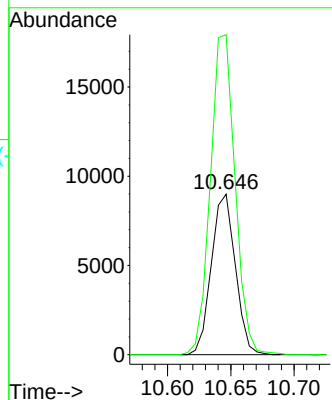
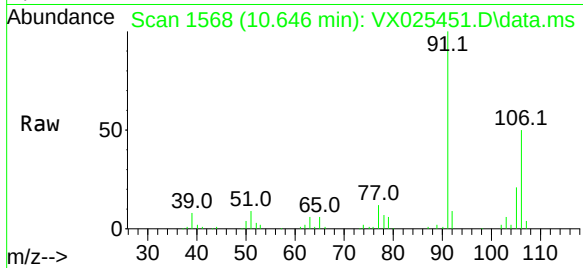
#69
o-Xylene
Concen: 5.530 ug/l
RT: 10.646 min Scan# 1186
Delta R.T. -0.001 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Instrument :
MSVOA_X
ClientSampleId :
MW-31

Tgt Ion:106 Resp: 1186
Ion Ratio Lower Upper
106 100
91 205.4 109.5 328.4

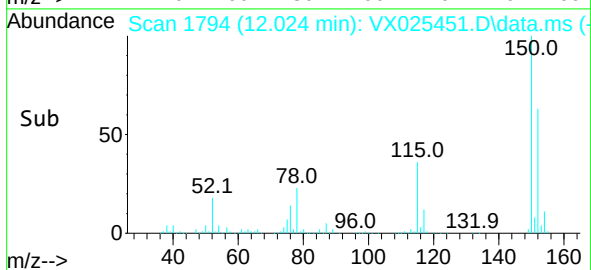
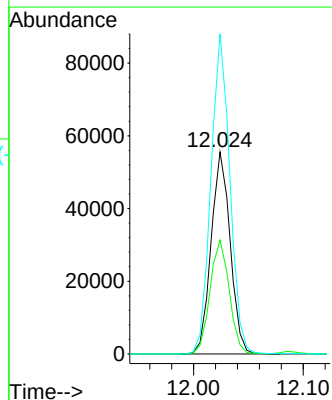
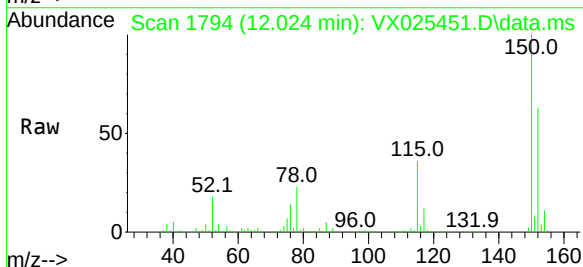
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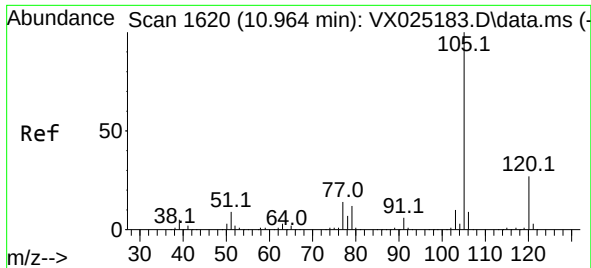
Reviewed By :Semsettin Yesilyurt 12/17/2021
Supervised By :Mahesh Dadoda 12/17/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Tgt Ion:152 Resp: 67095
Ion Ratio Lower Upper
152 100
115 57.0 43.3 129.8
150 157.9 0.0 351.2





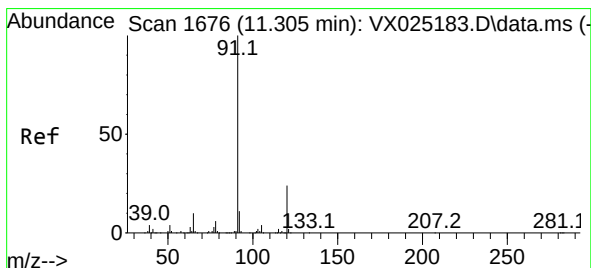
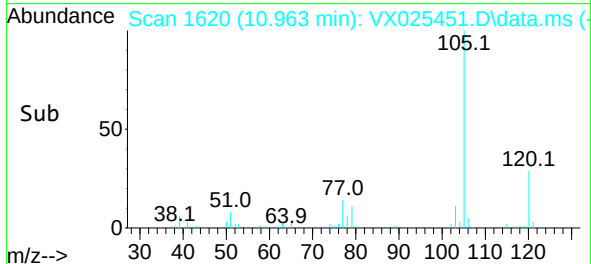
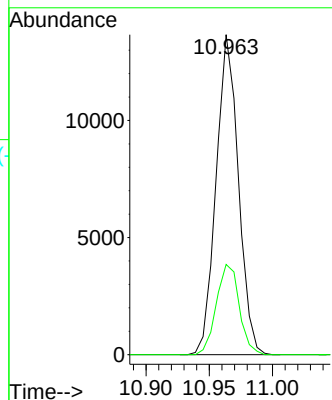
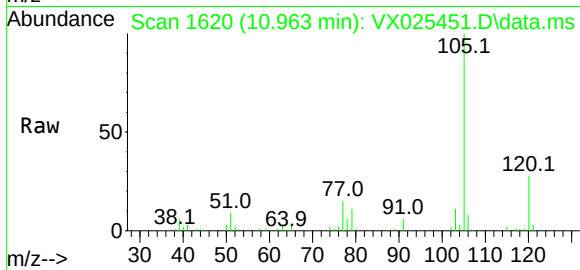
#73
Isopropylbenzene
Concen: 3.491 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Instrument :
MSVOA_X
ClientSampleId :
MW-31

Tgt Ion:105 Resp: 1669
Ion Ratio Lower Upper
105 100
120 29.0 13.3 39.8

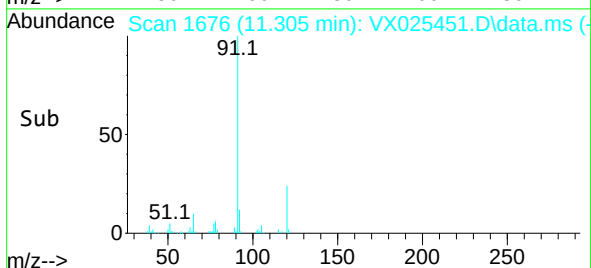
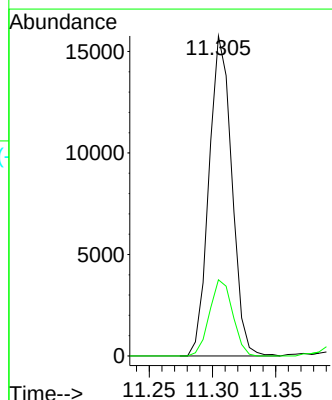
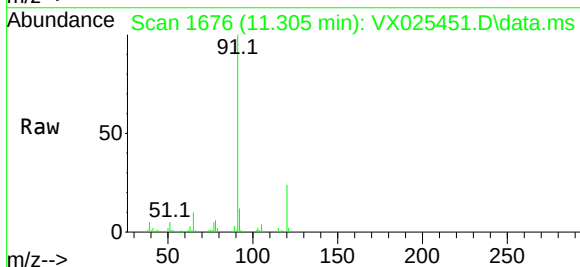
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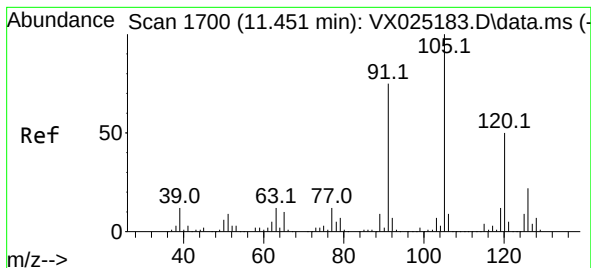
Reviewed By :Semsettin Yesilyurt 12/17/2021
Supervised By :Mahesh Dadoda 12/17/2021



#78
n-propylbenzene
Concen: 3.693 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX025451.D
Acq: 03 Dec 2021 00:56

Tgt Ion: 91 Resp: 19821
Ion Ratio Lower Upper
91 100
120 24.1 11.7 35.0





#80

1,3,5-Trimethylbenzene

Concen: 0.599 ug/l

RT: 11.457 min Scan# 1700

Delta R.T. 0.006 min

Lab File: VX025451.D

Acq: 03 Dec 2021 00:56

Instrument :

MSVOA_X

ClientSampleId :

MW-31

Tgt Ion:105 Resp: 2400

Ion Ratio Lower Upper

105 100

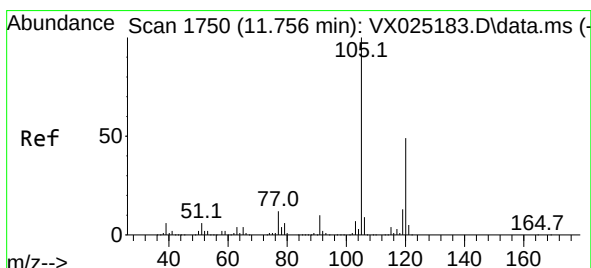
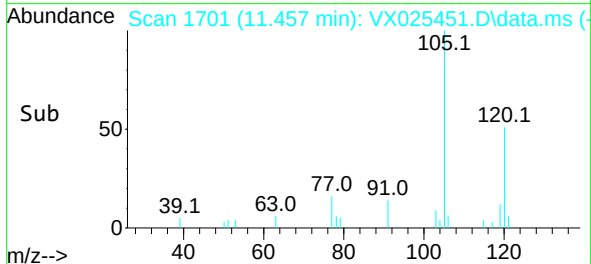
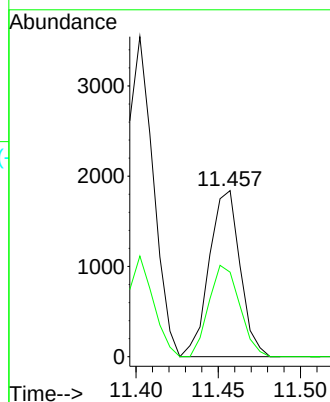
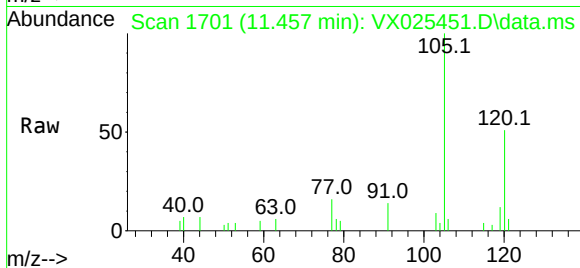
120 55.0 23.8 71.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/17/2021

Supervised By :Mahesh Dadoda 12/17/2021



#84

1,2,4-Trimethylbenzene

Concen: 2.675 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX025451.D

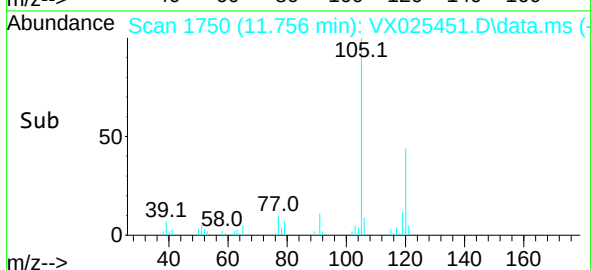
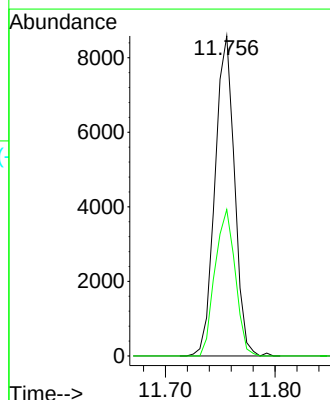
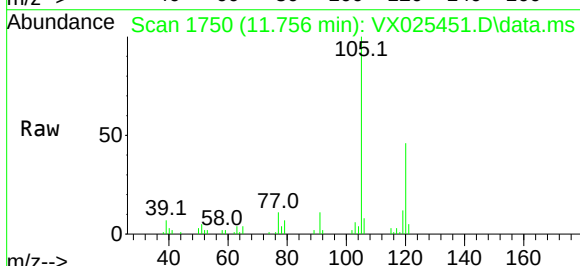
Acq: 03 Dec 2021 00:56

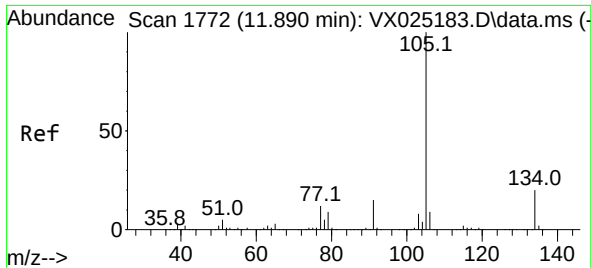
Tgt Ion:105 Resp: 10628

Ion Ratio Lower Upper

105 100

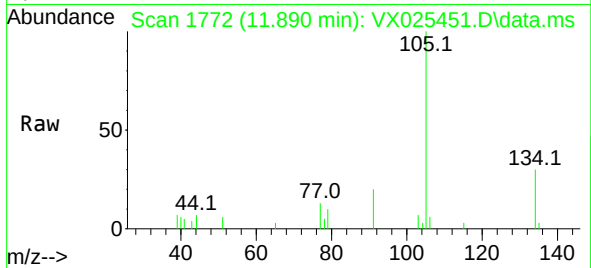
120 47.5 22.1 66.3





#85
 sec-Butylbenzene
 Concen: 0.476 ug/l
 RT: 11.890 min Scan# 1177
 Delta R.T. 0.000 min
 Lab File: VX025451.D
 Acq: 03 Dec 2021 00:56

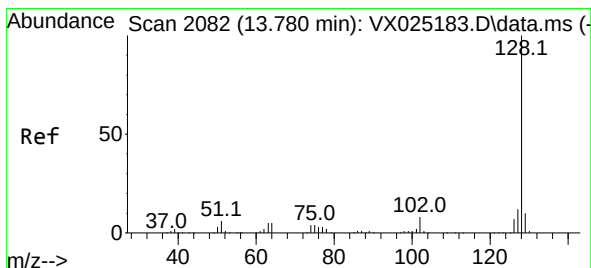
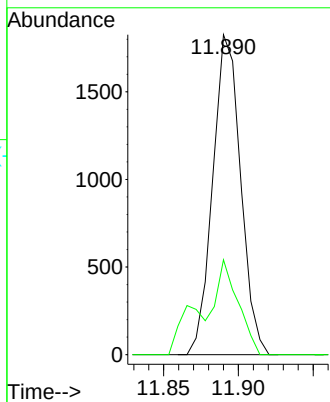
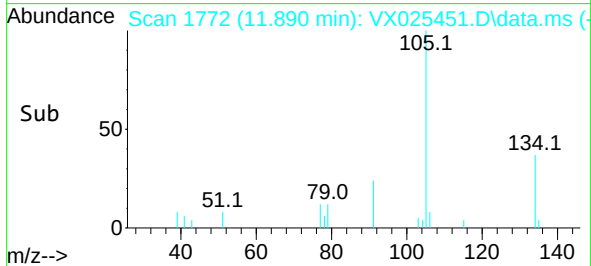
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-31



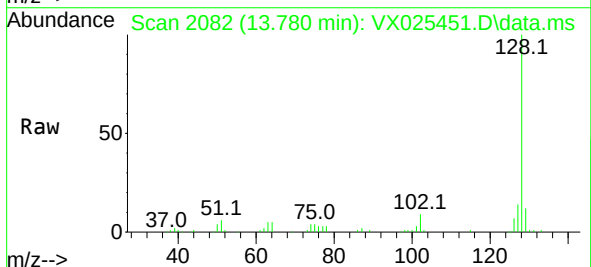
Tgt Ion:105 Resp: 2365
 Ion Ratio Lower Upper
 105 100
 134 37.8 10.2 30.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/17/2021
 Supervised By :Mahesh Dadoda 12/17/2021



#95
 Naphthalene
 Concen: 5.041 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX025451.D
 Acq: 03 Dec 2021 00:56



Tgt Ion:128 Resp: 24347
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.3 15.5
 129 12.2 8.8 13.2

