

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018336.D
 Acq On : 20 May 2024 15:39
 Operator : SY/MD
 Sample : P2511-04
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 665

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/21/2024
 Supervised By :Mahesh Dadoda 05/21/2024

Quant Time: May 21 01:26:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	88201	50.000	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.691	114	194634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	68270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	14461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51584	79.499	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 159.000%			
35) Dibromofluoromethane	7.716	113	61773	60.391	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.780%			
50) Toluene-d8	10.185	98	175021	43.421	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.840%			
62) 4-Bromofluorobenzene	12.477	95	16901	12.984	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 25.960%#			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.948	59	44238	801.829	ug/l	# 80
16) Acetone	3.912	43	54458382m	420567.207	ug/l	
17) Carbon Disulfide	4.162	76	71589	30.829	ug/l	95
18) Methyl Acetate	4.466	43	95592	259.158	ug/l	# 88
20) Methylene Chloride	4.704	84	13746	15.019	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	22950	25.382	ug/l	88
25) 2-Butanone	6.978	43	208524	1007.431	ug/l	# 67
31) Cyclohexane	7.783	56	8561128m	7085.651	ug/l	
37) Ethyl Acetate	7.070	43	16910	27.399	ug/l	# 94
39) Methylcyclohexane	9.185	83	4369594	2065.523	ug/l	# 88
40) Benzene	8.161	78	91879	19.479	ug/l	97
51) 4-Methyl-2-Pentanone	10.081	43	354153	556.989	ug/l	92
52) Toluene	10.246	92	36309804m	11957.479	ug/l	
67) Ethyl Benzene	11.593	91	140461	59.830	ug/l	94
68) m/p-Xylenes	11.697	106	125603	135.291	ug/l	99
69) o-Xylene	12.026	106	33964	38.121	ug/l	98
73) Isopropylbenzene	12.331	105	9100	8.393	ug/l	98
78) n-propylbenzene	12.672	91	15731	12.474	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	15995	18.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	47098	56.238	ug/l	99
85) sec-Butylbenzene	13.251	105	4626	3.999	ug/l	# 53
86) p-Isopropyltoluene	13.367	119	11999	12.609	ug/l	93

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

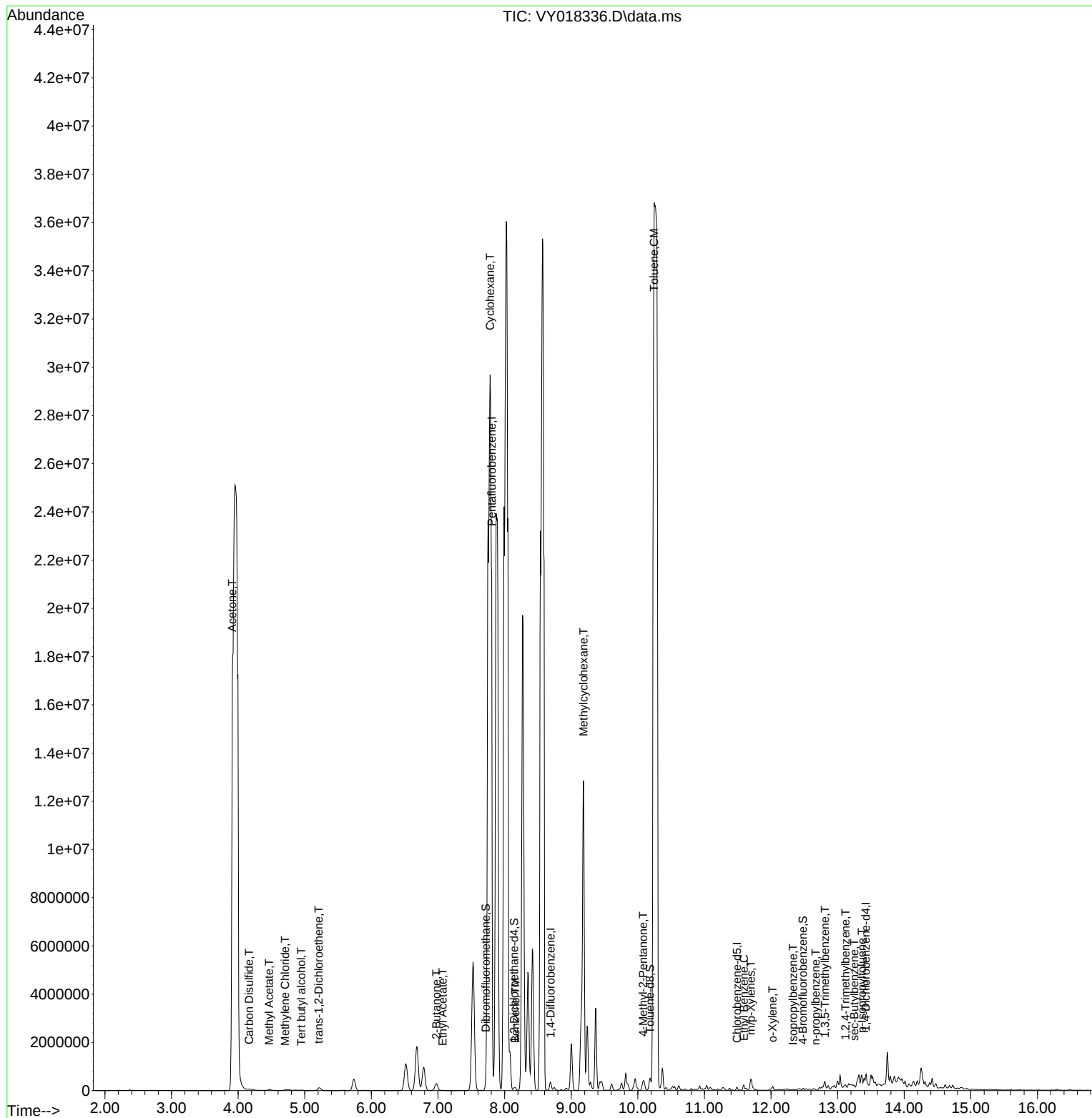
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
Data File : VY018336.D
Acq On : 20 May 2024 15:39
Operator : SY/MD
Sample : P2511-04
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

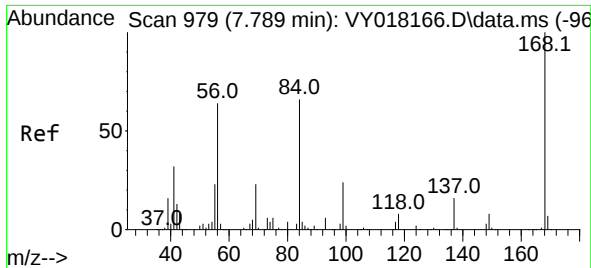
Instrument :
MSVOA_Y
ClientSampleId :
665

Manual Integrations
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Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024

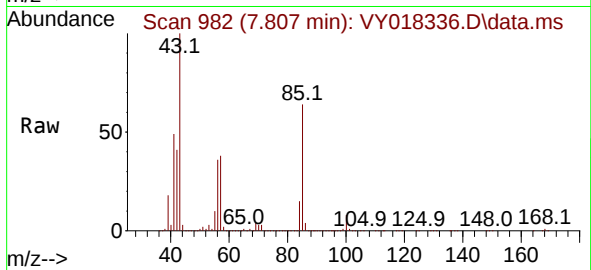
Quant Time: May 21 01:26:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260
QLast Update : Wed May 08 01:40:14 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

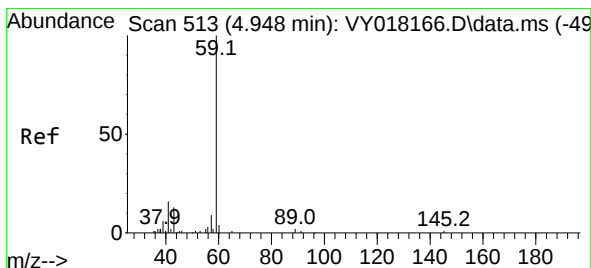
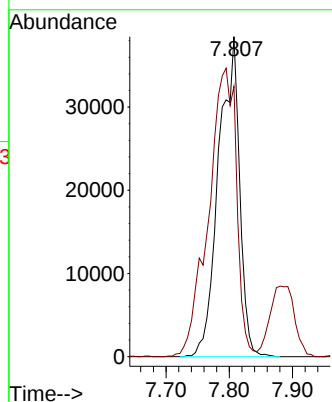
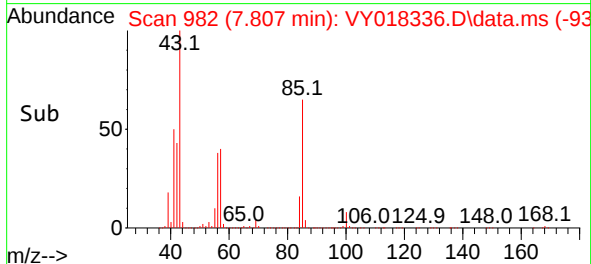
Instrument :
MSVOA_Y
ClientSampleId :
665



Tgt Ion:168 Resp: 8820
Ion Ratio Lower Upper
168 100
99 83.5 39.1 58.7

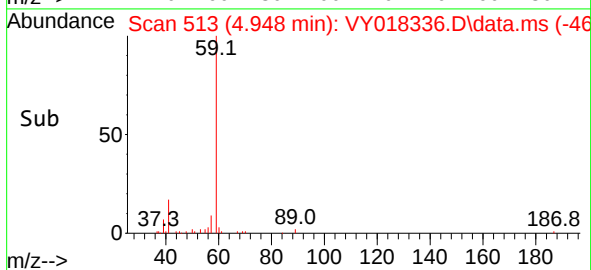
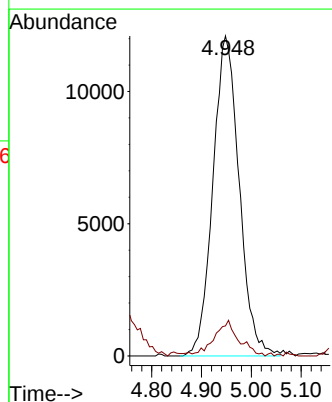
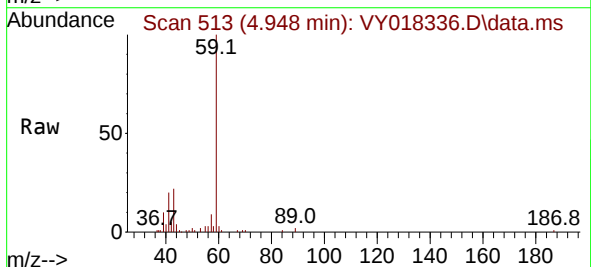
Manual Integrations
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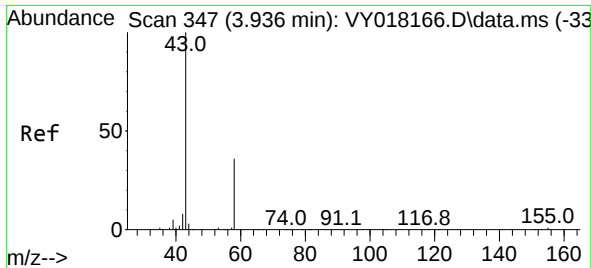
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#11
Tert butyl alcohol
Concen: 801.829 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

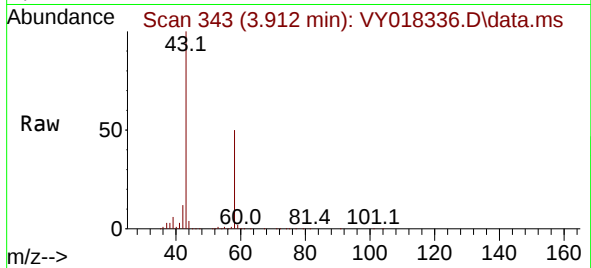
Tgt Ion: 59 Resp: 44238
Ion Ratio Lower Upper
59 100
57 10.3 3.0 4.6





#16
Acetone
Concen: 420567.207 ug/l m
RT: 3.912 min Scan# 34
Delta R.T. -0.024 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

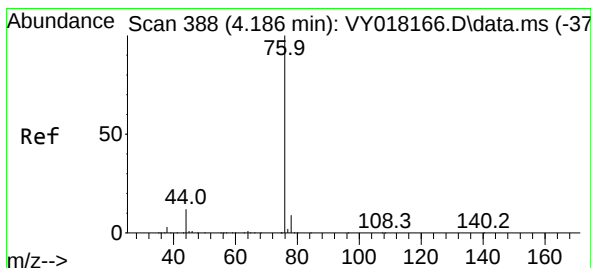
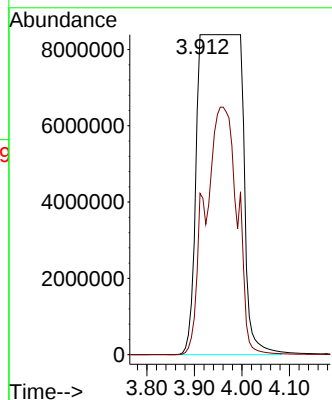
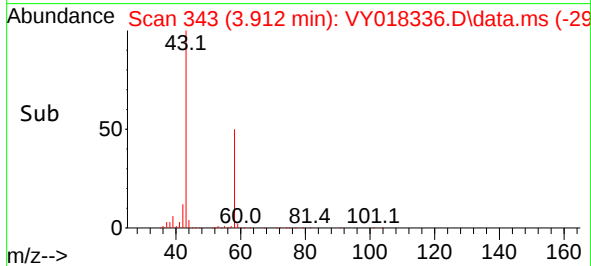
Instrument :
MSVOA_Y
ClientSampleId :
665



Tgt Ion: 43 Resp: 5445838
Ion Ratio Lower Upper
43 100
58 50.4 31.7 47.5

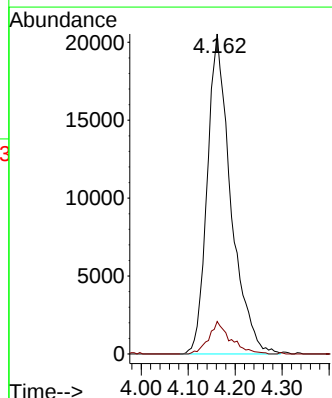
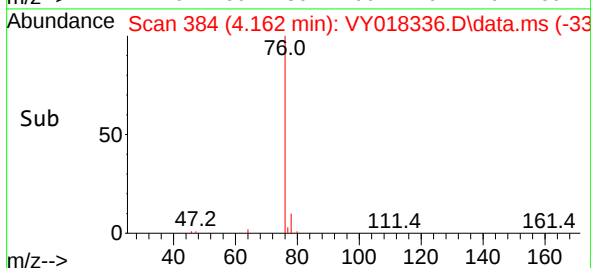
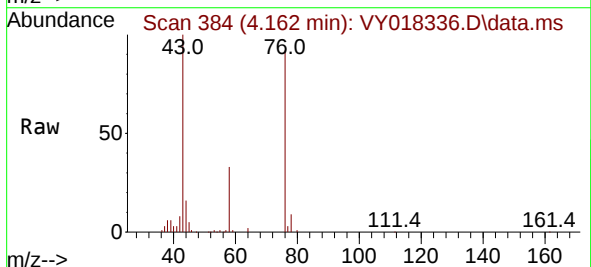
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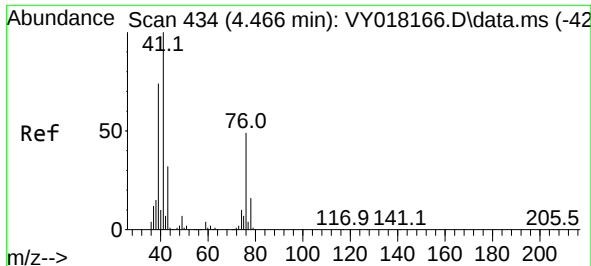
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#17
Carbon Disulfide
Concen: 30.829 ug/l
RT: 4.162 min Scan# 384
Delta R.T. -0.024 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Tgt Ion: 76 Resp: 71589
Ion Ratio Lower Upper
76 100
78 10.2 6.8 10.2





#18

Methyl Acetate

Concen: 259.158 ug/l

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY018336.D

Acq: 20 May 2024 15:39

Instrument :

MSVOA_Y

ClientSampleId :

665

Tgt Ion: 43 Resp: 95592

Ion Ratio Lower Upper

43 100

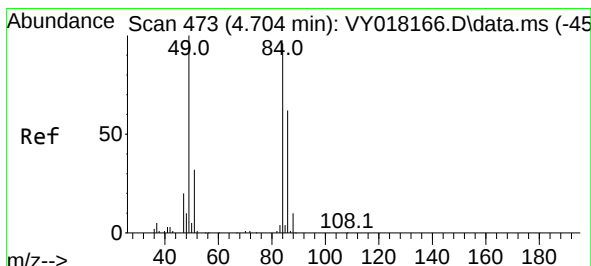
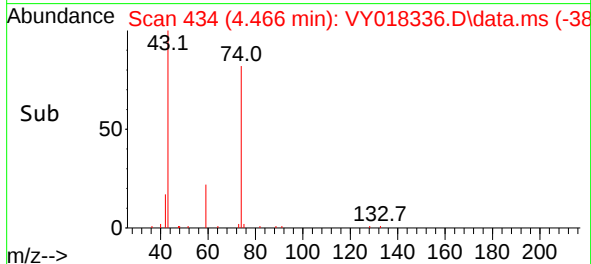
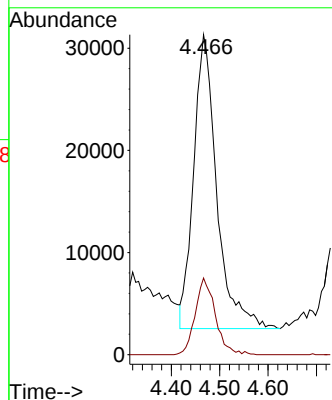
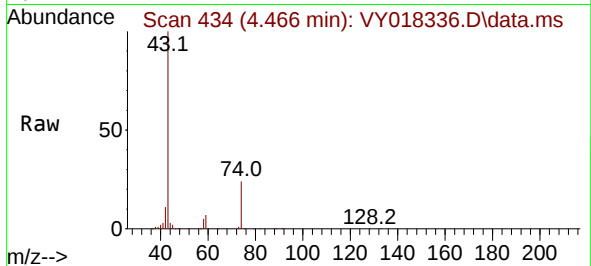
74 22.7 23.3 34.9

Manual Integrations

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Reviewed By :Romaben Patel 05/21/2024

Supervised By :Mahesh Dadoda 05/21/2024



#20

Methylene Chloride

Concen: 15.019 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY018336.D

Acq: 20 May 2024 15:39

Tgt Ion: 84 Resp: 13746

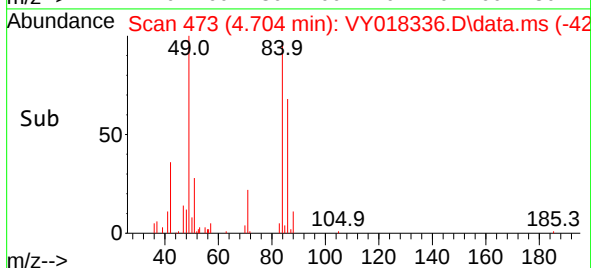
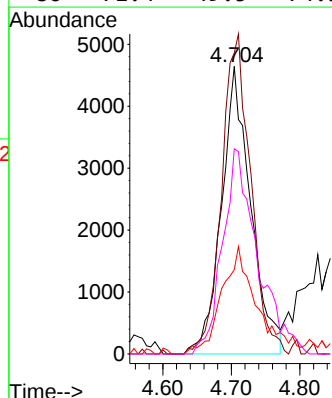
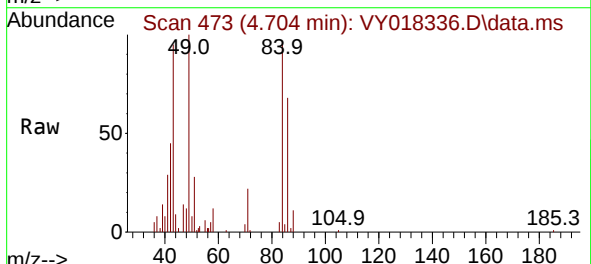
Ion Ratio Lower Upper

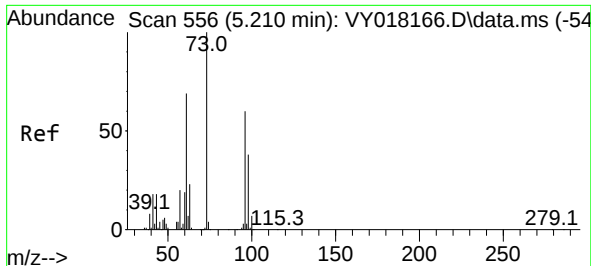
84 100

49 104.7 84.4 126.6

51 29.3 26.0 39.0

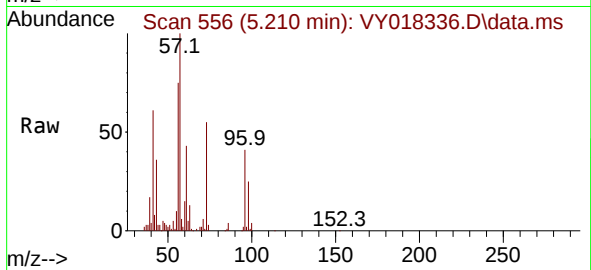
86 71.4 49.5 74.3





#21
trans-1,2-Dichloroethene
Concen: 25.382 ug/l
RT: 5.210 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

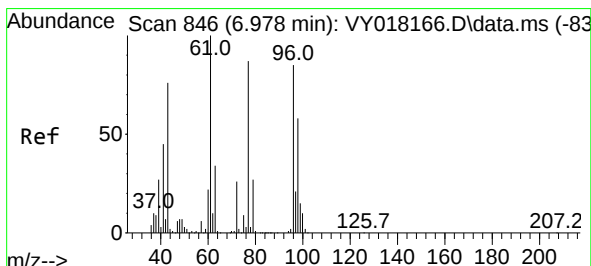
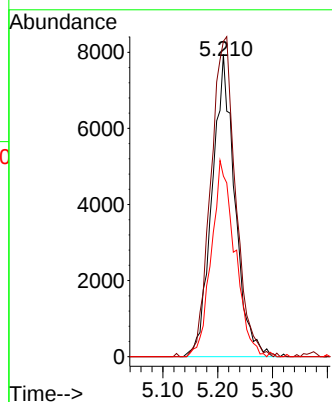
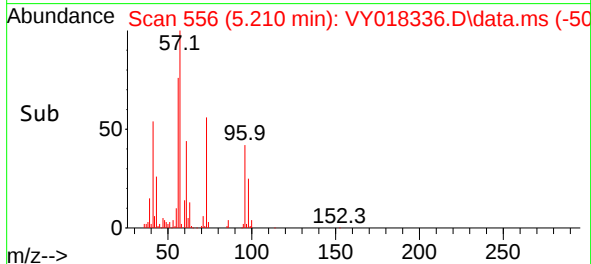
Instrument :
MSVOA_Y
ClientSampleId :
665



Tgt Ion: 96 Resp: 22950
Ion Ratio Lower Upper
96 100
61 104.4 97.5 146.3
98 59.8 50.5 75.7

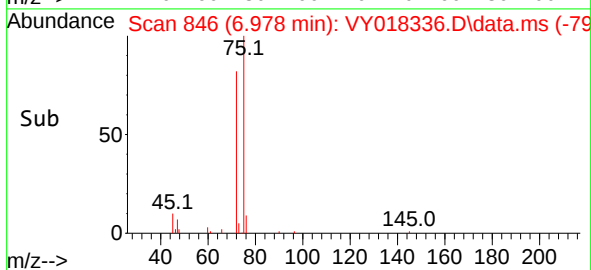
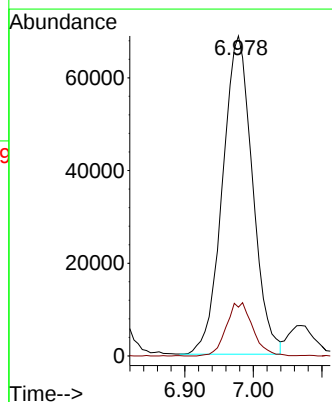
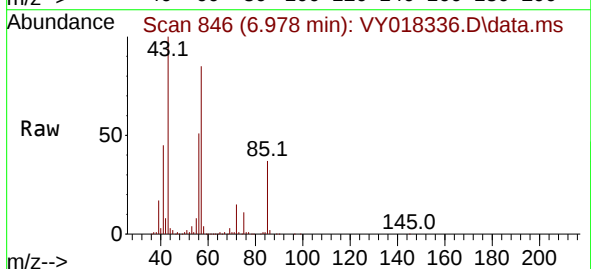
Manual Integrations
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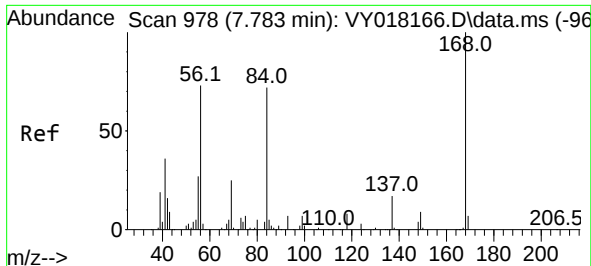
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#25
2-Butanone
Concen: 1007.431 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

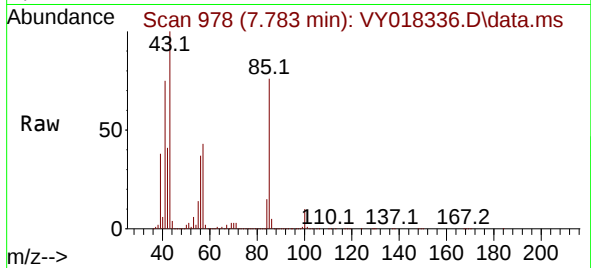
Tgt Ion: 43 Resp: 208524
Ion Ratio Lower Upper
43 100
72 15.3 27.3 40.9





#31
Cyclohexane
Concen: 7085.651 ug/l m
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

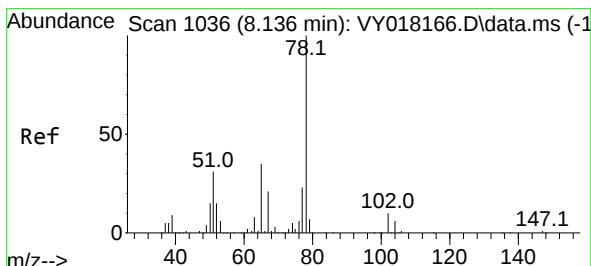
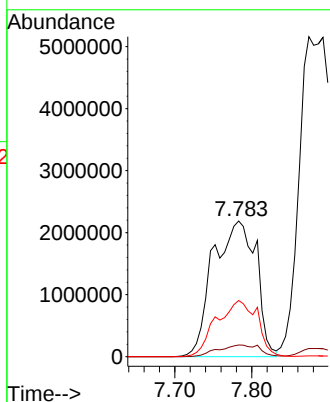
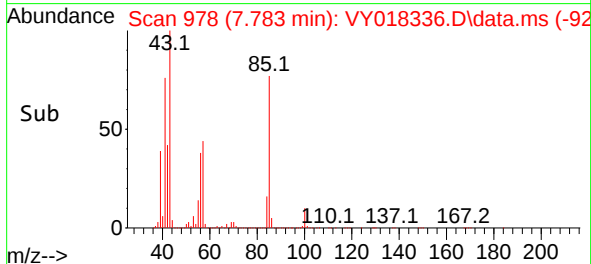
Instrument :
MSVOA_Y
ClientSampleId :
665



Tgt Ion: 56 Resp: 8561128
Ion Ratio Lower Upper
56 100
69 8.6 28.7 43.1
84 41.4 77.7 116.5

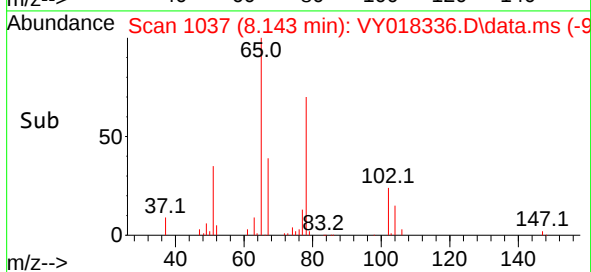
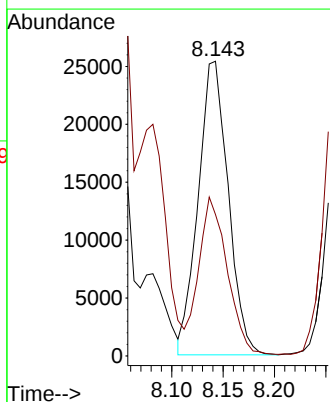
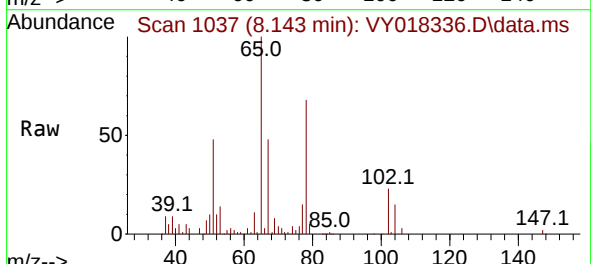
Manual Integrations
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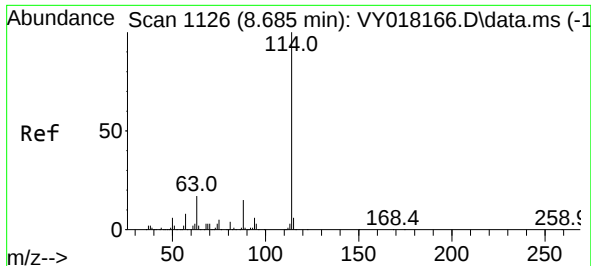
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#33
1,2-Dichloroethane-d4
Concen: 79.499 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Tgt Ion: 65 Resp: 51584
Ion Ratio Lower Upper
65 100
67 50.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY018336.D

Acq: 20 May 2024 15:39

Instrument :

MSVOA_Y

ClientSampleId :

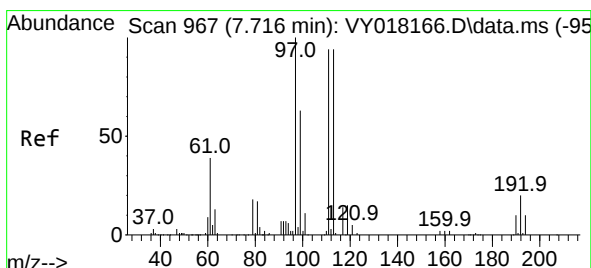
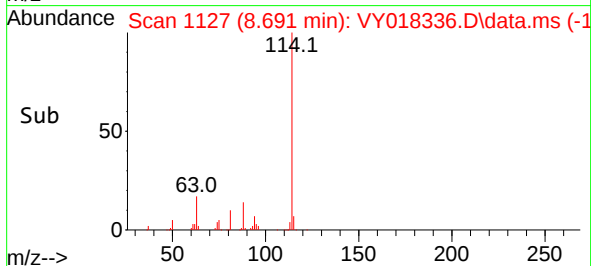
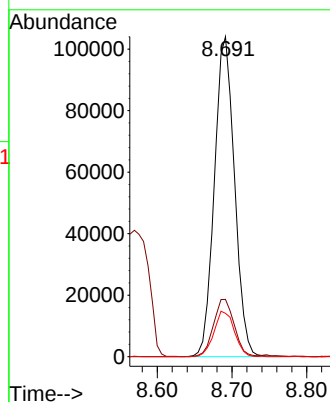
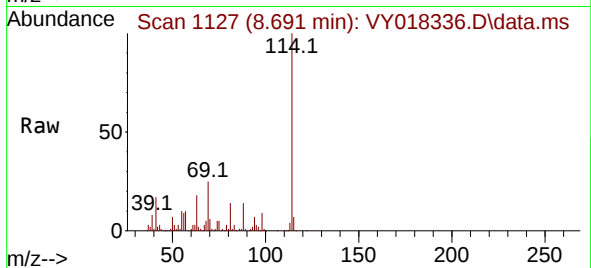
665

Tgt Ion:	114	Resp:	194634
Ion Ratio	Lower	Upper	
114	100		
63	17.8	0.0	35.0
88	13.5	0.0	27.2

Manual Integrations

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Supervised By :Mahesh Dadoda 05/21/2024



#35

Dibromofluoromethane

Concen: 60.391 ug/l

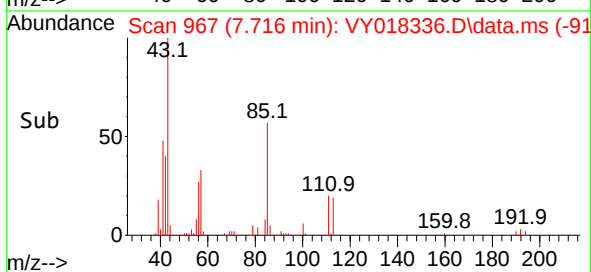
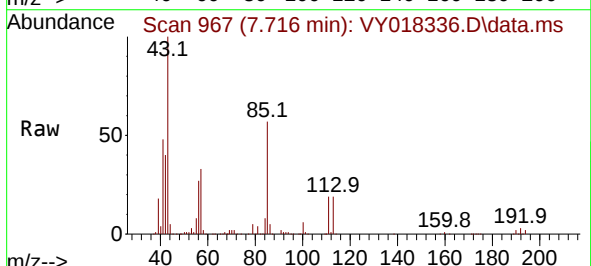
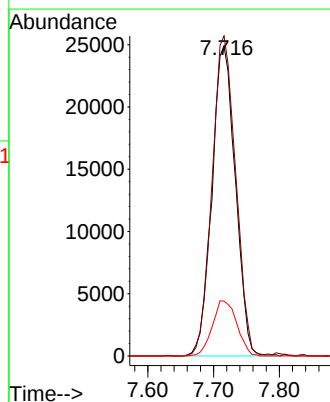
RT: 7.716 min Scan# 967

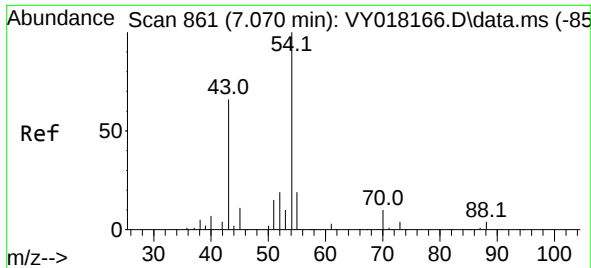
Delta R.T. 0.000 min

Lab File: VY018336.D

Acq: 20 May 2024 15:39

Tgt Ion:	113	Resp:	61773
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.2	123.4
192	18.6	15.9	23.9





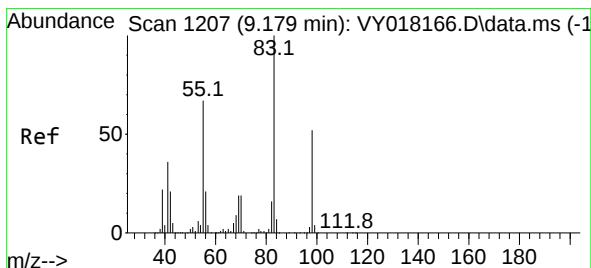
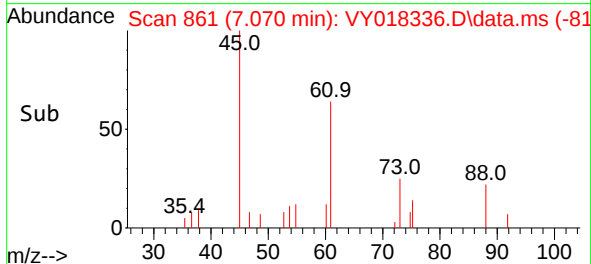
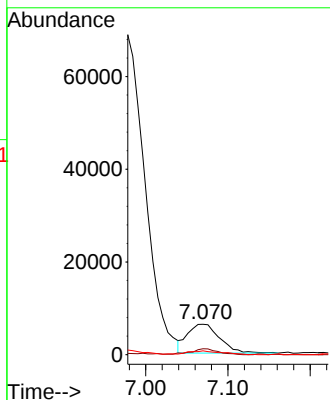
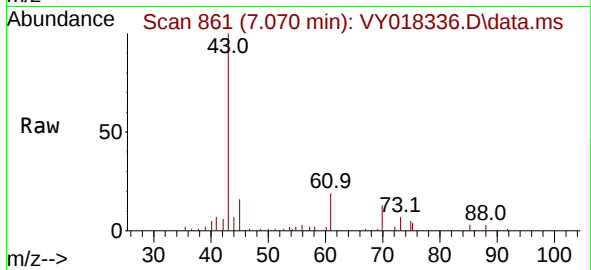
#37
Ethyl Acetate
Concen: 27.399 ug/l
RT: 7.070 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Instrument :
MSVOA_Y
ClientSampleId :
665

Tgt Ion: 43 Resp: 16910
Ion Ratio Lower Upper
43 100
61 16.9 12.6 19.0
70 14.4 7.8 11.8

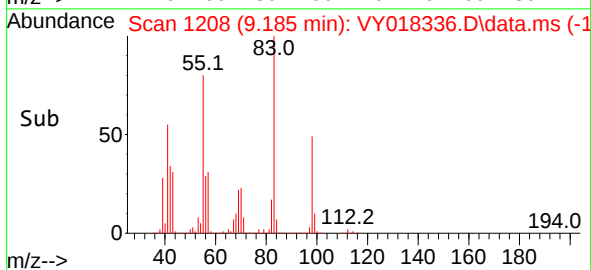
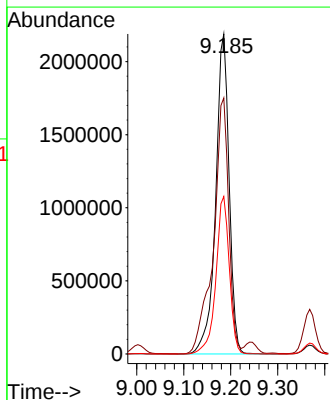
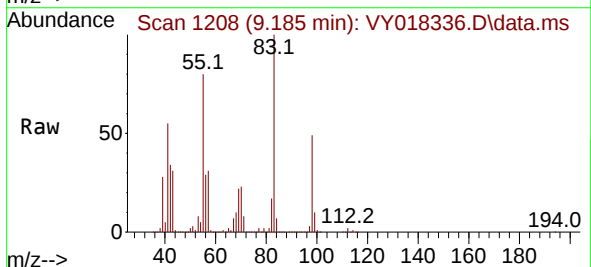
Manual Integrations
APPROVED

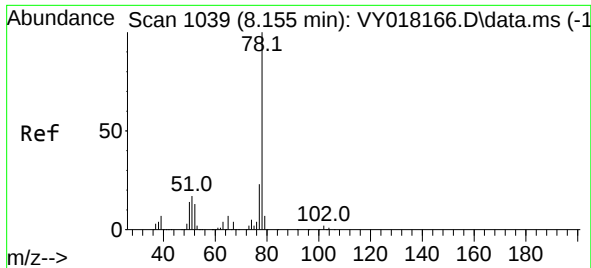
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#39
Methylcyclohexane
Concen: 2065.523 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Tgt Ion: 83 Resp: 4369594
Ion Ratio Lower Upper
83 100
55 80.0 51.5 77.3#
98 49.2 40.5 60.7





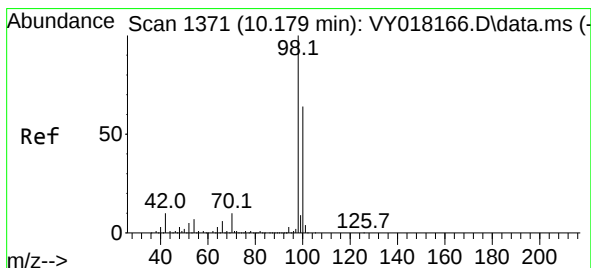
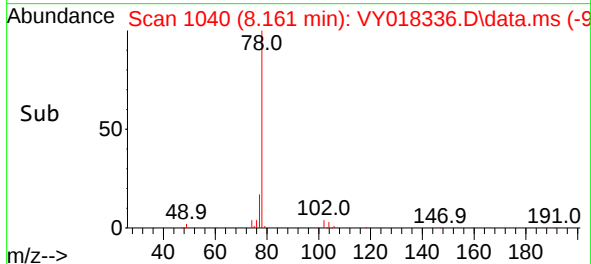
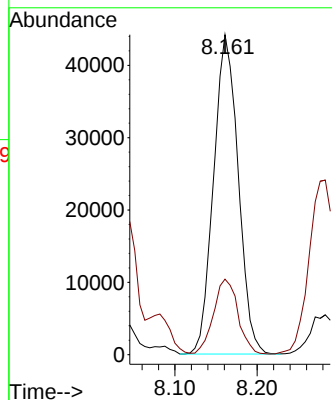
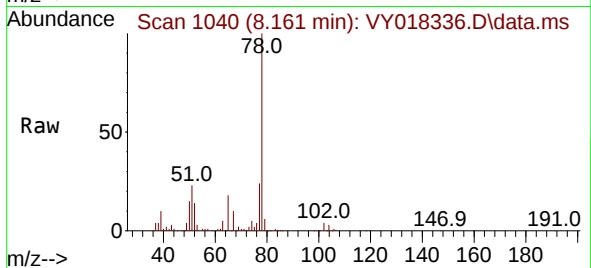
#40
Benzene
Concen: 19.479 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Instrument :
MSVOA_Y
ClientSampleId :
665

Tgt Ion: 78 Resp: 91879
Ion Ratio Lower Upper
78 100
77 23.0 19.5 29.3

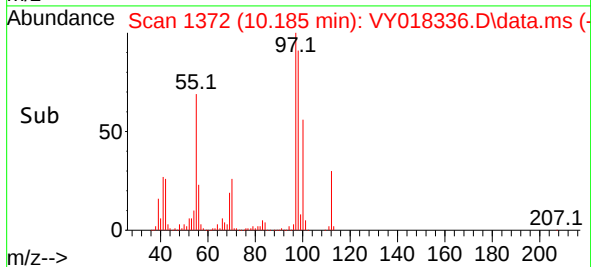
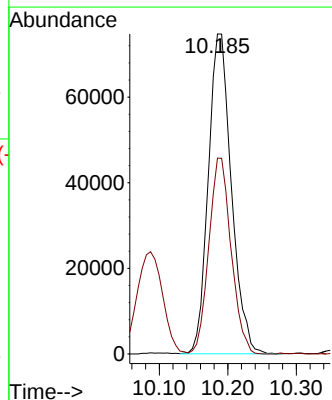
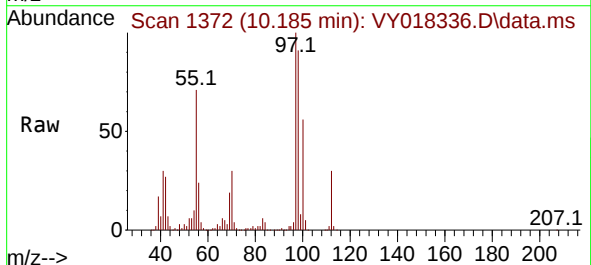
Manual Integrations
APPROVED

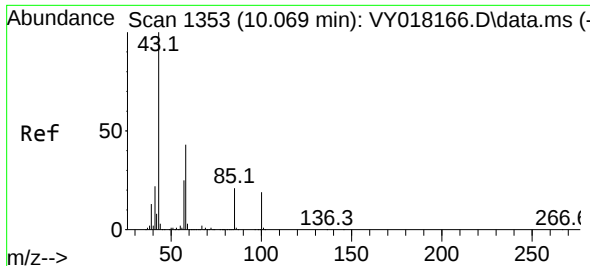
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#50
Toluene-d8
Concen: 43.421 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Tgt Ion: 98 Resp: 175021
Ion Ratio Lower Upper
98 100
100 59.1 52.0 78.0





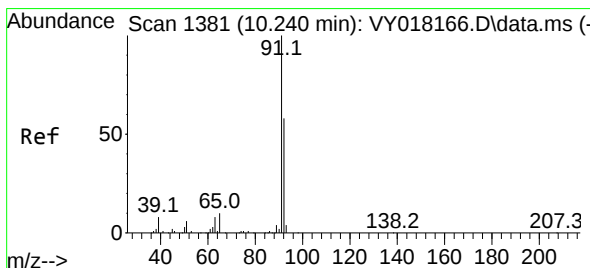
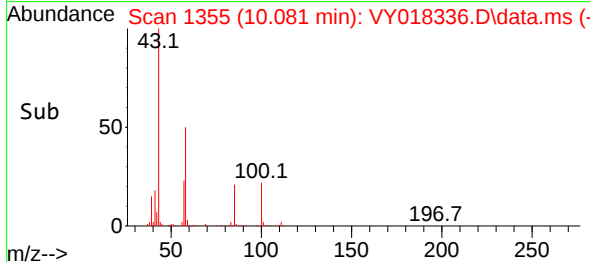
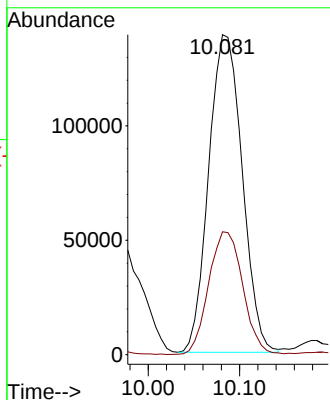
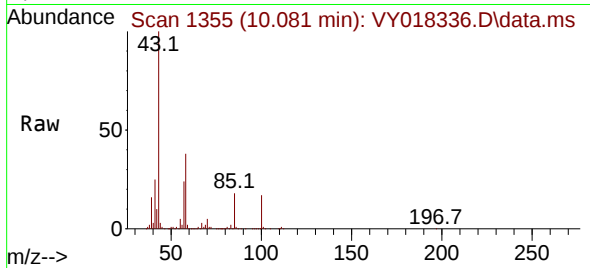
#51
4-Methyl-2-Pentanone
Concen: 556.989 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.012 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Instrument :
MSVOA_Y
ClientSampleId :
665

Tgt Ion: 43 Resp: 35415
Ion Ratio Lower Upper
43 100
58 39.2 35.7 53.5

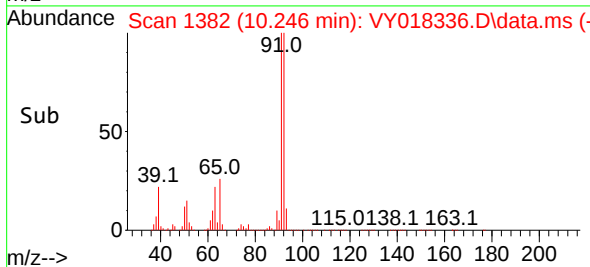
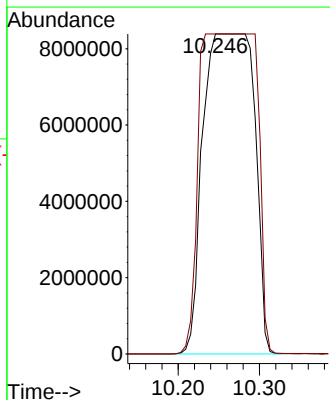
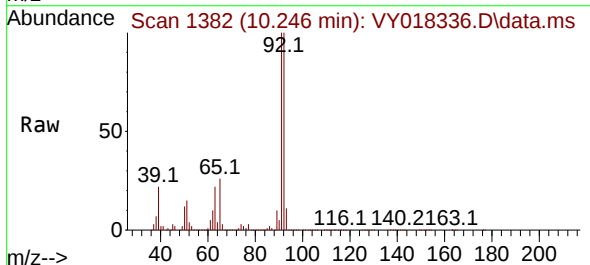
Manual Integrations
APPROVED

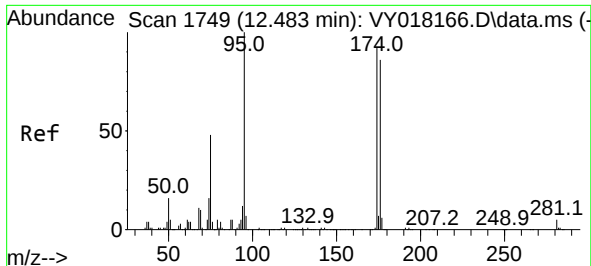
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#52
Toluene
Concen: 11957.479 ug/l m
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Tgt Ion: 92 Resp:36309804
Ion Ratio Lower Upper
92 100
91 0.0 139.0 208.6#





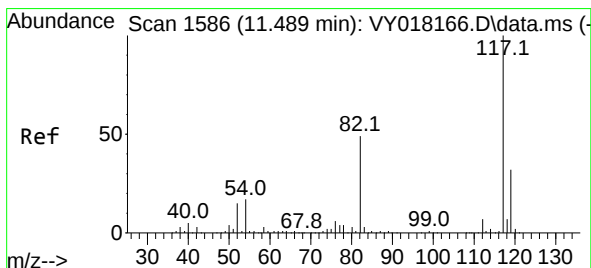
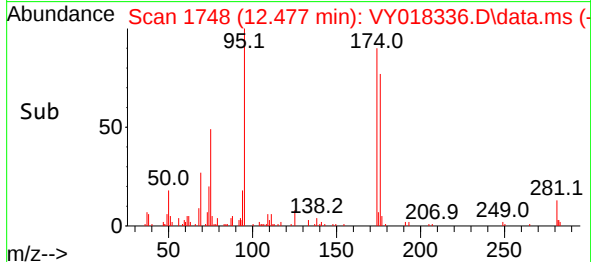
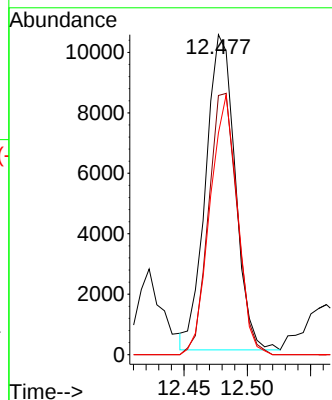
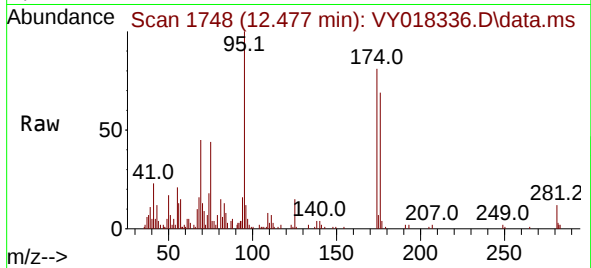
#62
4-Bromofluorobenzene
Concen: 12.984 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Instrument :
MSVOA_Y
ClientSampleId :
665

Tgt Ion: 95 Resp: 1690
Ion Ratio Lower Upper
95 100
174 80.6 0.0 175.6
176 76.7 0.0 171.4

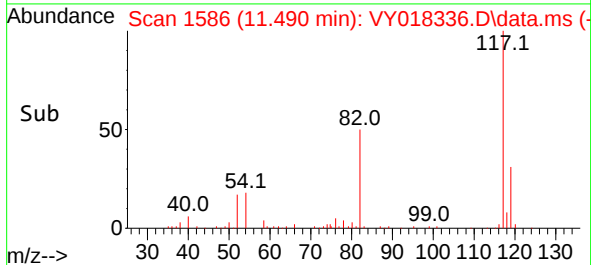
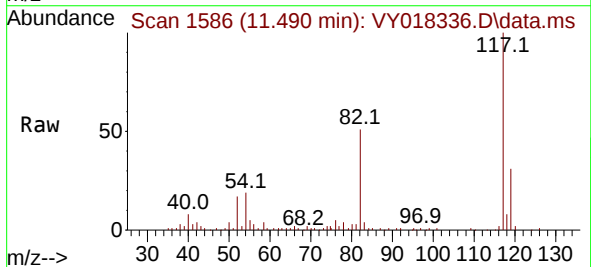
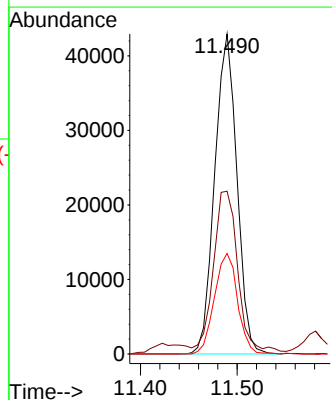
Manual Integrations
APPROVED

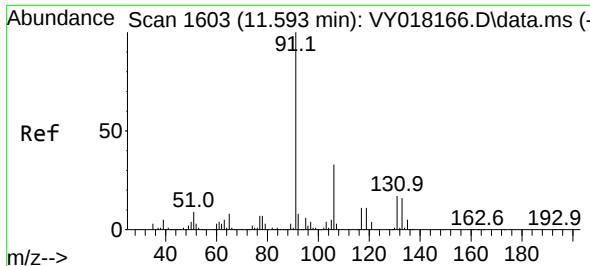
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Tgt Ion:117 Resp: 68270
Ion Ratio Lower Upper
117 100
82 49.9 42.4 63.6
119 31.4 25.9 38.9





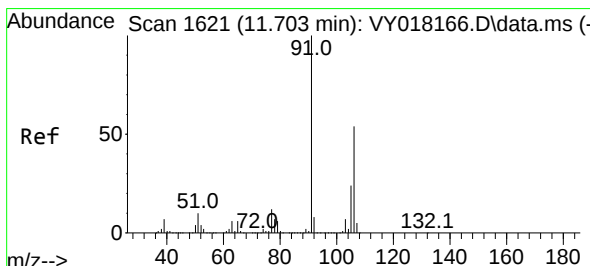
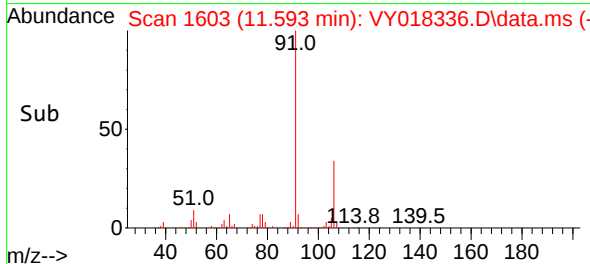
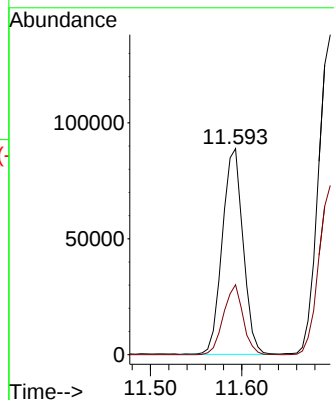
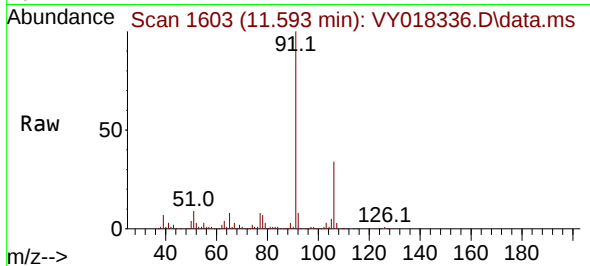
#67
Ethyl Benzene
Concen: 59.830 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

Instrument :
MSVOA_Y
ClientSampleId :
665

Tgt Ion: 91 Resp: 140463
Ion Ratio Lower Upper
91 100
106 34.0 24.5 36.7

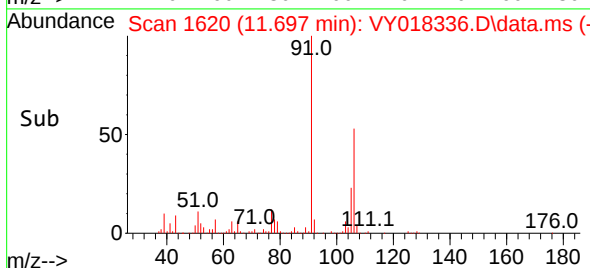
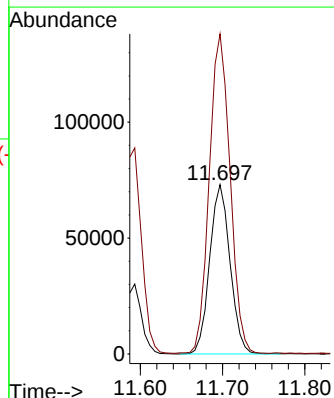
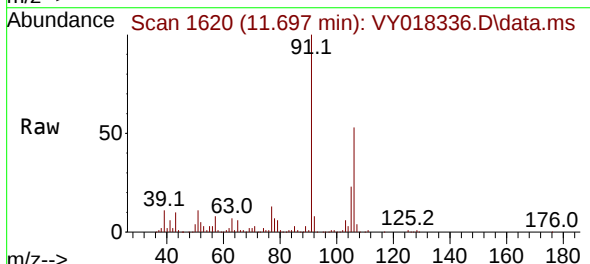
Manual Integrations
APPROVED

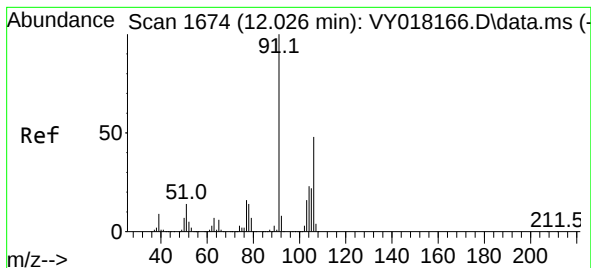
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024



#68
m/p-Xylenes
Concen: 135.291 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

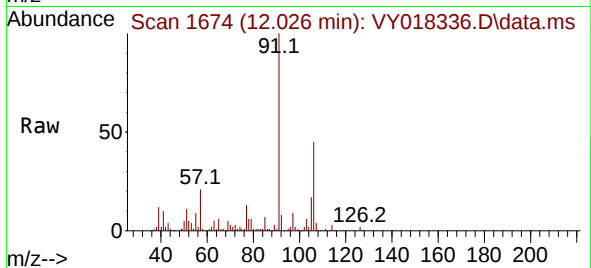
Tgt Ion:106 Resp: 125603
Ion Ratio Lower Upper
106 100
91 192.9 156.0 234.0





#69
o-Xylene
Concen: 38.121 ug/l
RT: 12.026 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

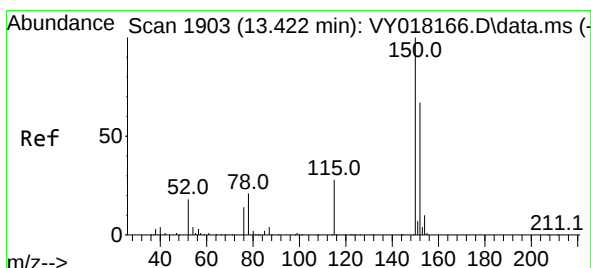
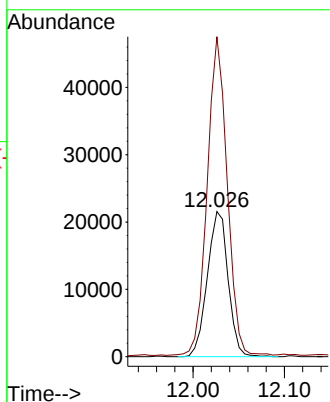
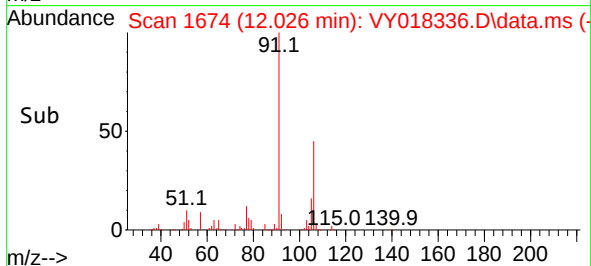
Instrument :
MSVOA_Y
ClientSampleId :
665



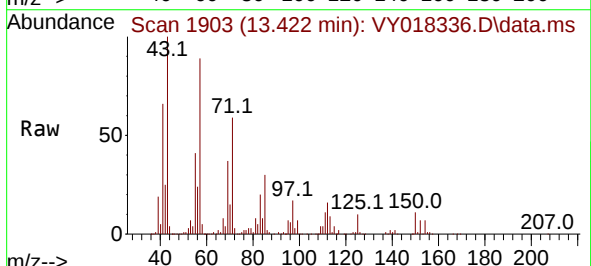
Tgt Ion:106 Resp: 33964
Ion Ratio Lower Upper
106 100
91 210.8 103.6 310.8

Manual Integrations
APPROVED

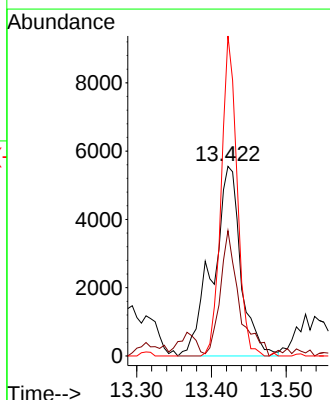
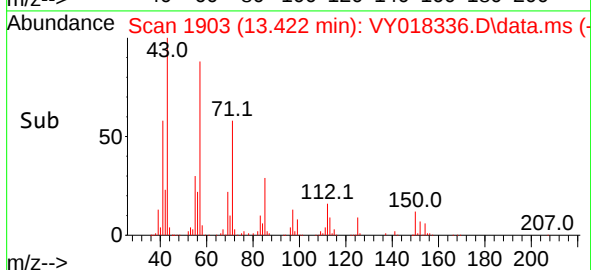
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024

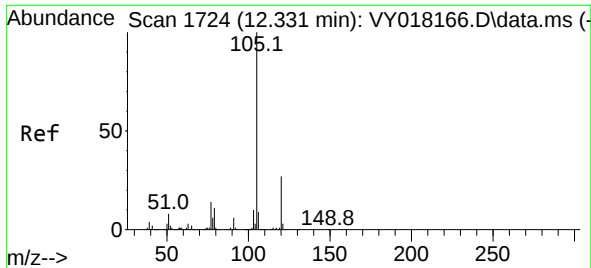


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39



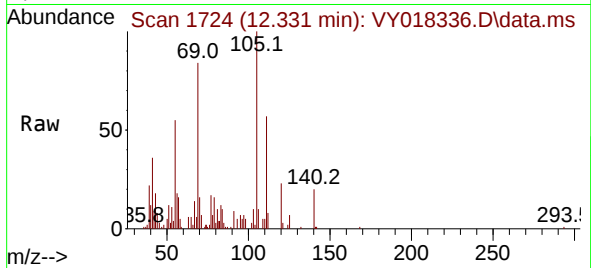
Tgt Ion:152 Resp: 14461
Ion Ratio Lower Upper
152 100
115 42.5 28.2 84.7
150 96.2 0.0 345.6





#73
Isopropylbenzene
Concen: 8.393 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39

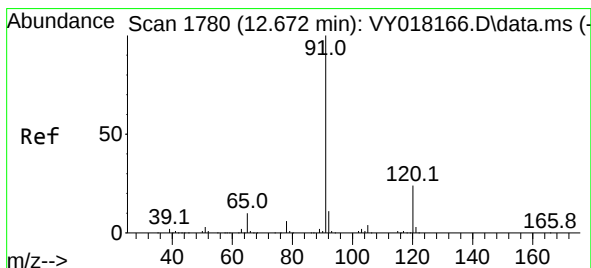
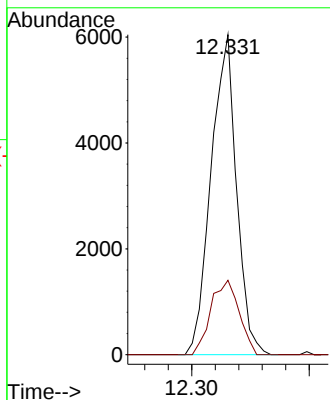
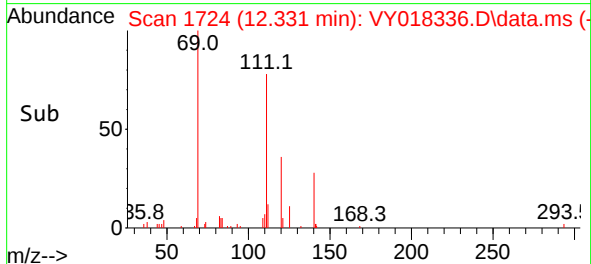
Instrument :
MSVOA_Y
ClientSampleId :
665



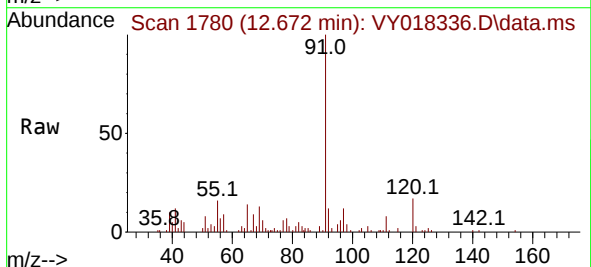
Tgt Ion:105 Resp: 9100
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

Manual Integrations
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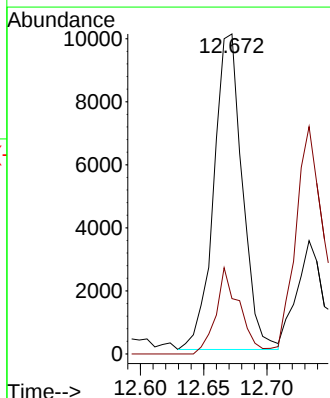
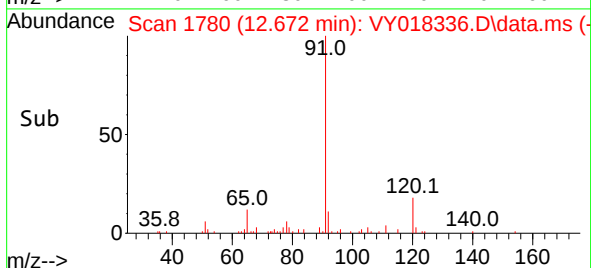
Reviewed By :Romaben Patel 05/21/2024
Supervised By :Mahesh Dadoda 05/21/2024

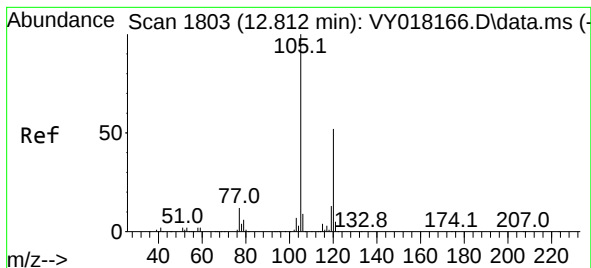


#78
n-propylbenzene
Concen: 12.474 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY018336.D
Acq: 20 May 2024 15:39



Tgt Ion: 91 Resp: 15731
Ion Ratio Lower Upper
91 100
120 22.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 18.709 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY018336.D

Acq: 20 May 2024 15:39

Instrument :

MSVOA_Y

ClientSampleId :

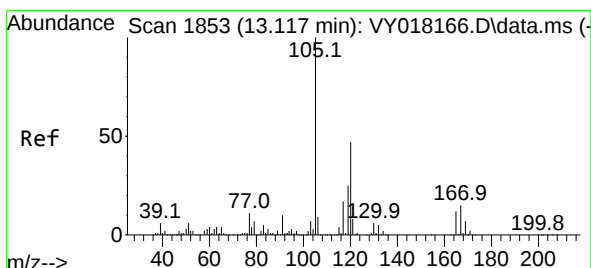
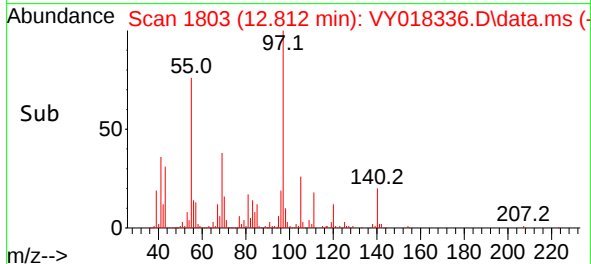
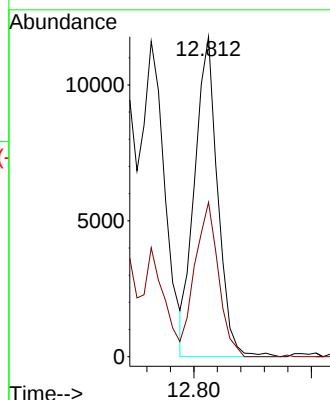
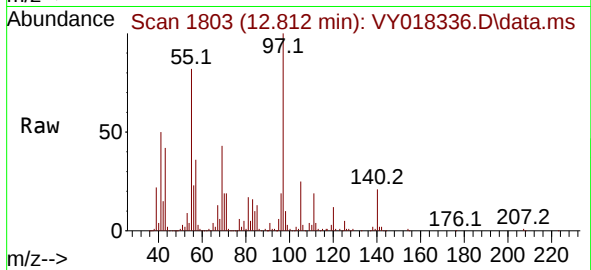
665

Tgt Ion:105 Resp: 1599
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.1 75.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 05/21/2024
 Supervised By :Mahesh Dadoda 05/21/2024



#84

1,2,4-Trimethylbenzene

Concen: 56.238 ug/l

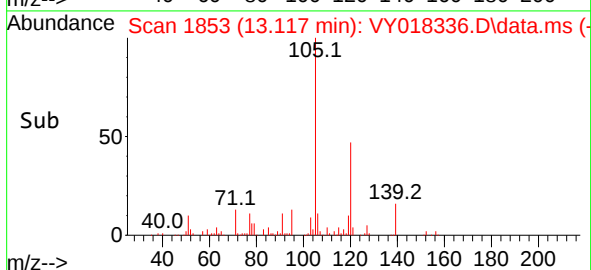
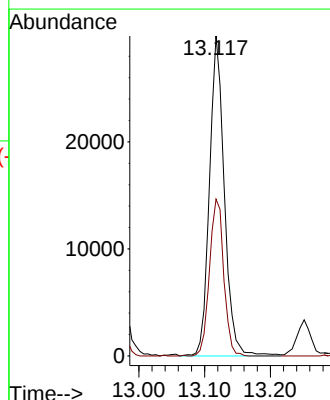
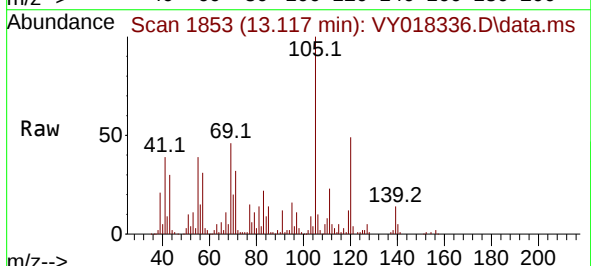
RT: 13.117 min Scan# 1853

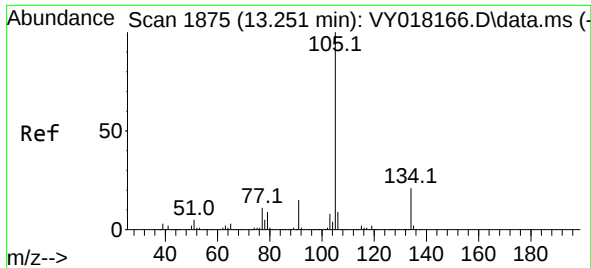
Delta R.T. 0.000 min

Lab File: VY018336.D

Acq: 20 May 2024 15:39

Tgt Ion:105 Resp: 47098
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.2 69.6





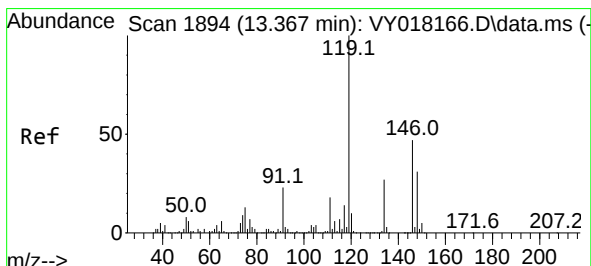
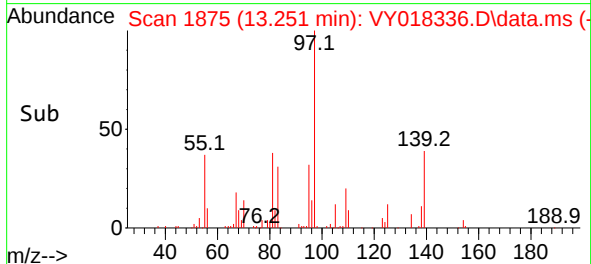
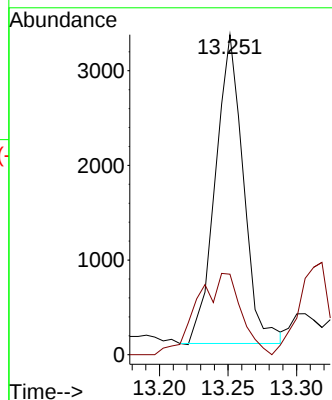
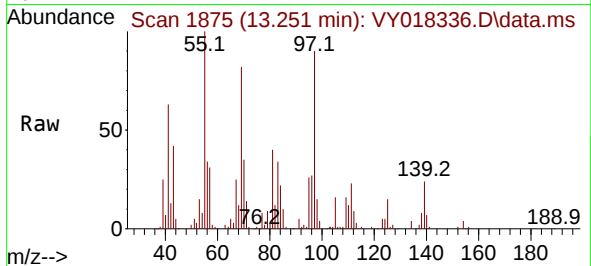
#85
 sec-Butylbenzene
 Concen: 3.999 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY018336.D
 Acq: 20 May 2024 15:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 665

Tgt Ion:105 Resp: 4620
 Ion Ratio Lower Upper
 105 100
 134 41.6 10.1 30.1

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/21/2024
 Supervised By :Mahesh Dadoda 05/21/2024



#86
 p-Isopropyltoluene
 Concen: 12.609 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY018336.D
 Acq: 20 May 2024 15:39

Tgt Ion:119 Resp: 11999
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.1 39.3
 91 27.3 10.7 32.1

