

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014669.D
 Acq On : 17 Jul 2023 13:57
 Operator : SY/MD
 Sample : 03613-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-4-071323

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 06:08:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	15657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	25472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	20904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8344	46.767	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.540%		
35) Dibromofluoromethane	7.710	113	6516	40.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.380%		
50) Toluene-d8	10.179	98	29813	49.871	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.740%		
62) 4-Bromofluorobenzene	12.483	95	9538	41.610	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.220%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	847	5.907	ug/l	92
5) Bromomethane	2.650	94	796	7.516	ug/l	90
69) o-Xylene	12.020	106	397	1.328	ug/l	94
78) n-propylbenzene	12.672	91	1426	1.773	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	1093	1.960	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	1449	2.648	ug/l	95
85) sec-Butylbenzene	13.251	105	1686	2.324	ug/l	99
86) p-Isopropyltoluene	13.367	119	1192m	2.012	ug/l	
89) n-Butylbenzene	13.690	91	1343m	2.330	ug/l	

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

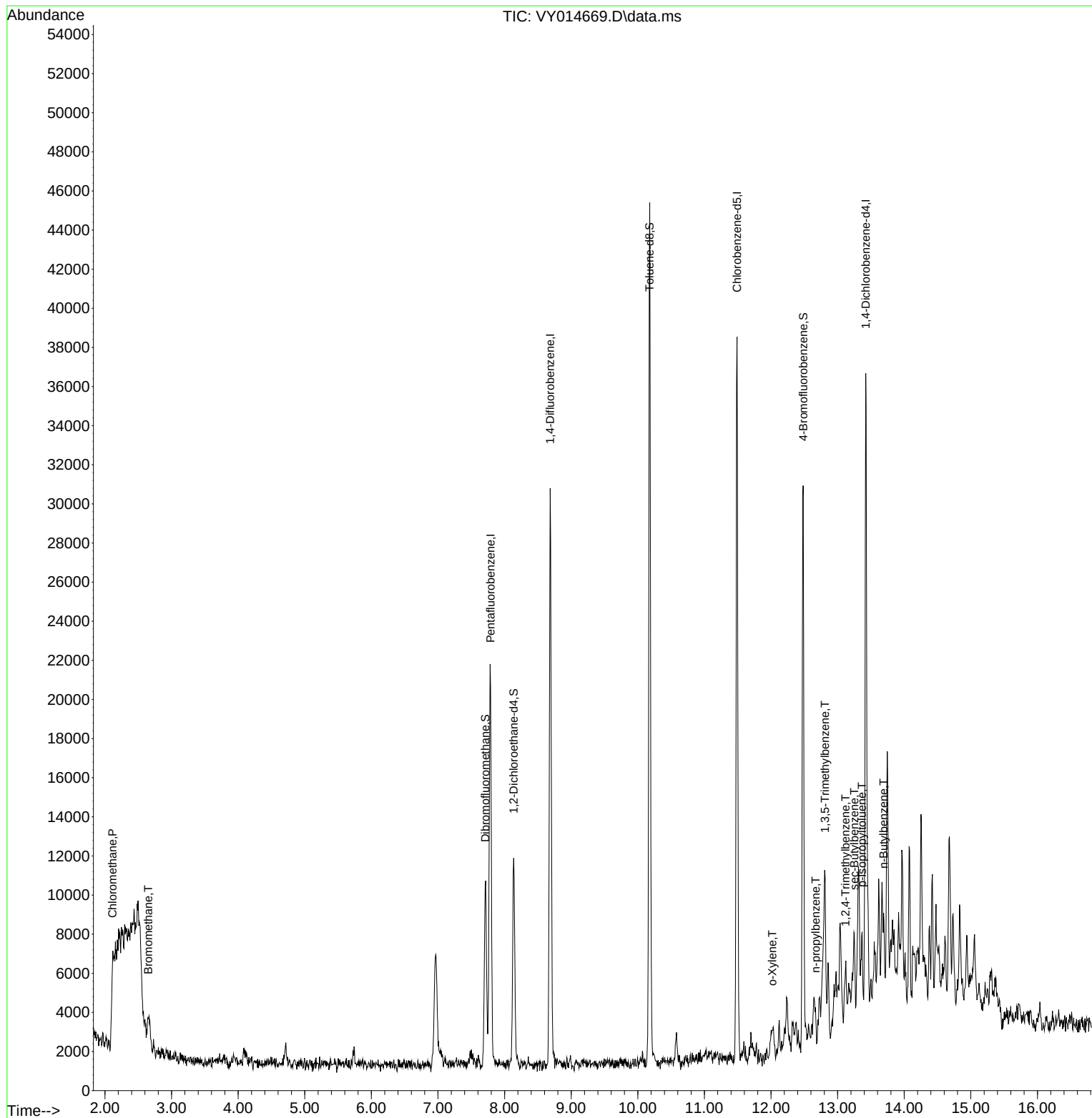
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
Data File : VY014669.D
Acq On : 17 Jul 2023 13:57
Operator : SY/MD
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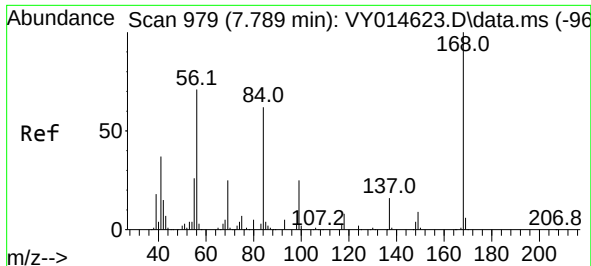
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323

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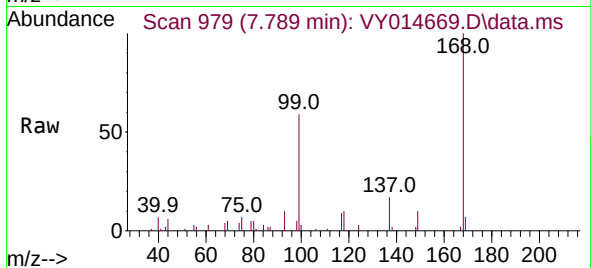
Quant Time: Jul 18 06:08:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

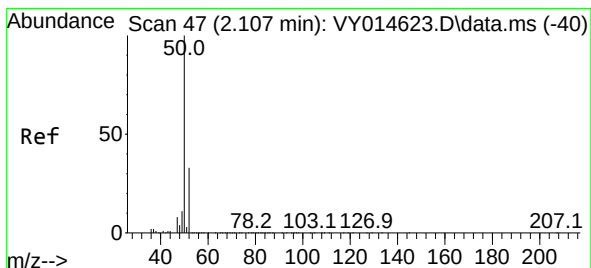
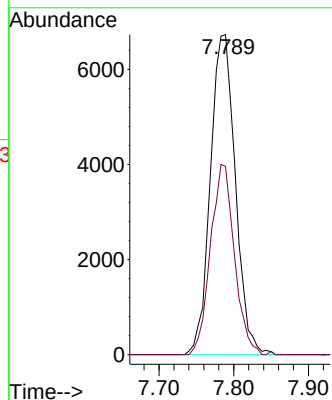
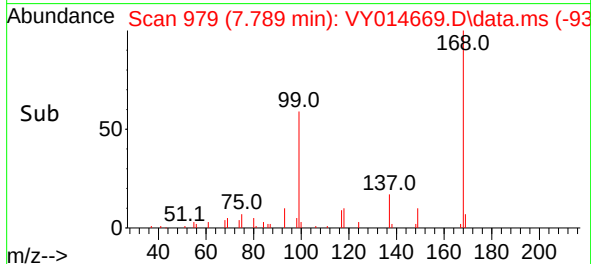
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323



Tgt Ion:168 Resp: 1565
Ion Ratio Lower Upper
168 100
99 58.8 43.4 65.0

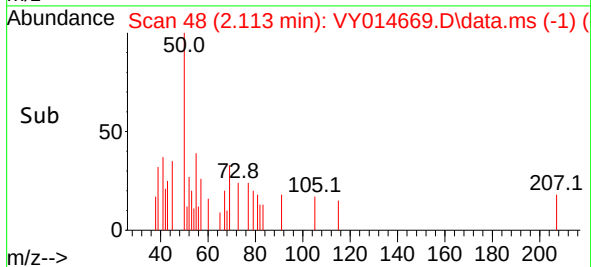
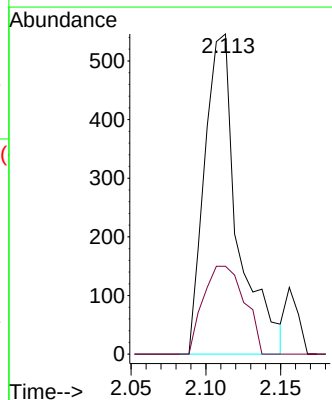
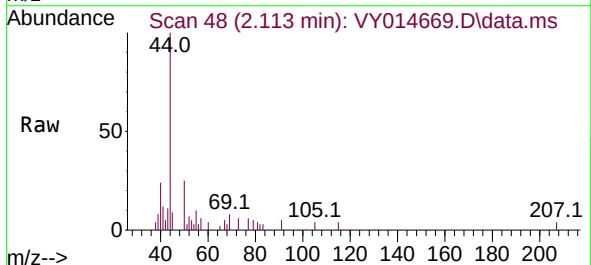
Manual Integrations
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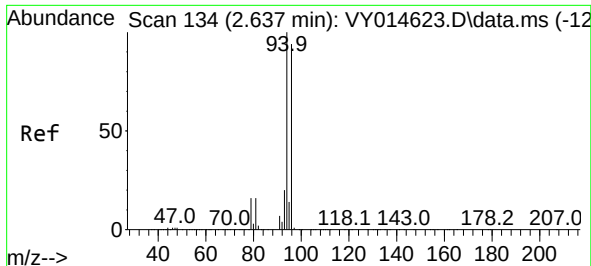
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#3
Chloromethane
Concen: 5.907 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

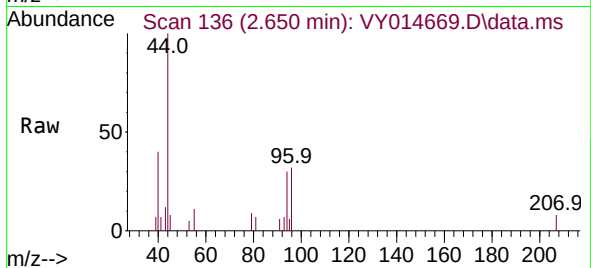
Tgt Ion: 50 Resp: 847
Ion Ratio Lower Upper
50 100
52 27.5 25.4 38.2





#5
Bromomethane
Concen: 7.516 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

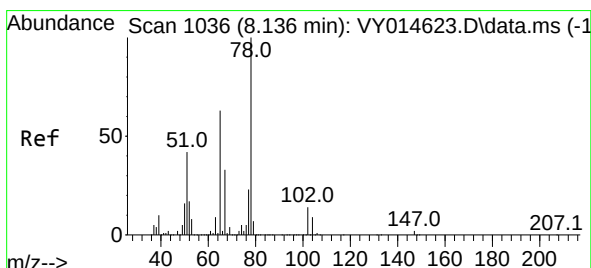
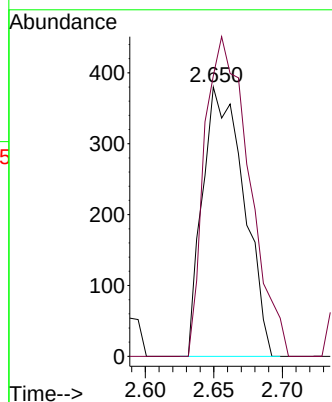
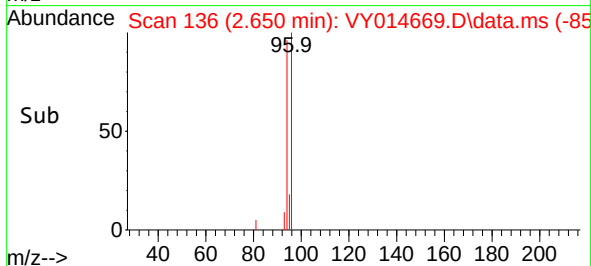
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323



Tgt Ion: 94 Resp: 790
Ion Ratio Lower Upper
94 100
96 104.2 75.8 113.6

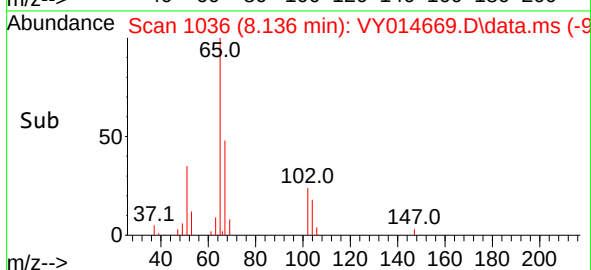
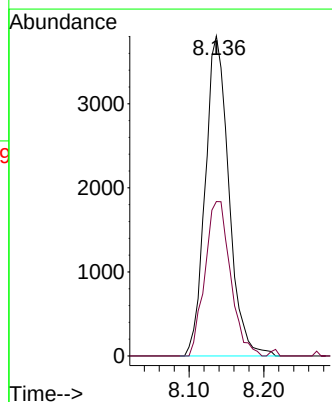
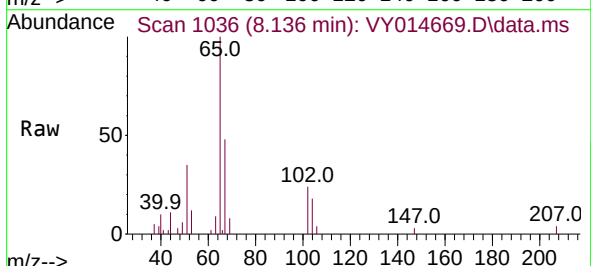
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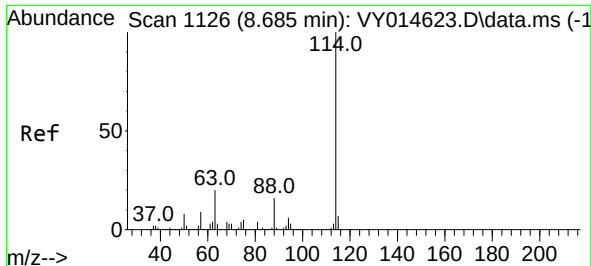
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#33
1,2-Dichloroethane-d4
Concen: 46.767 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

Tgt Ion: 65 Resp: 8344
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

Instrument :

MSVOA_Y

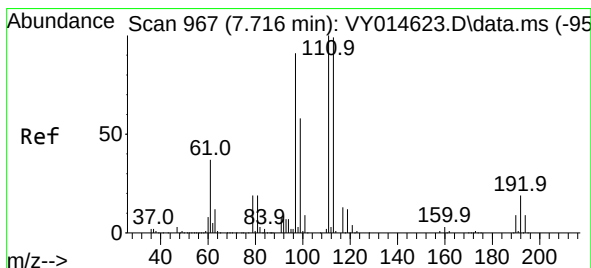
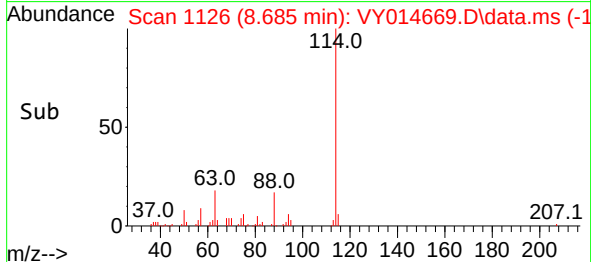
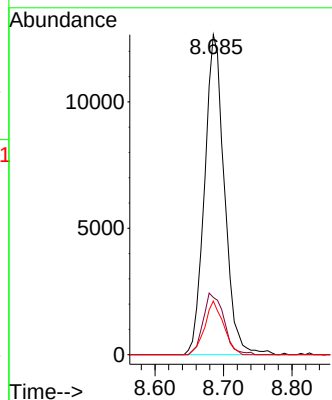
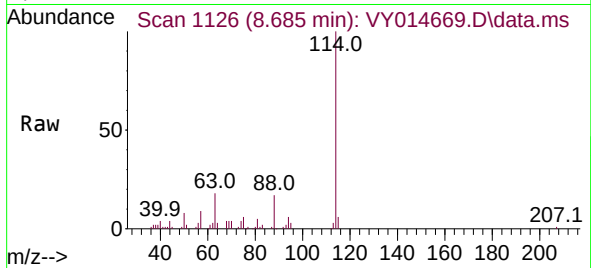
ClientSampleId :

TR-4-071323

Tgt Ion:114 Resp: 25472
Ion Ratio Lower Upper
114 100
63 17.9 0.0 42.4
88 16.8 0.0 30.6

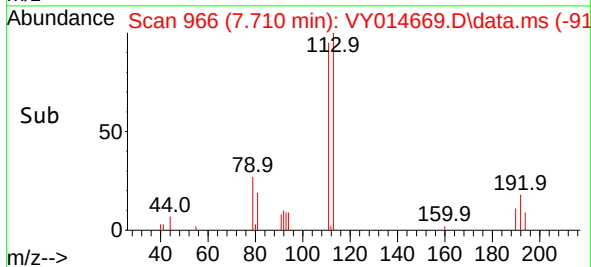
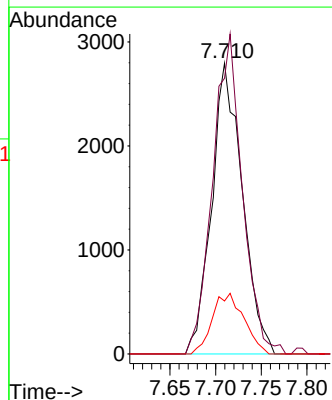
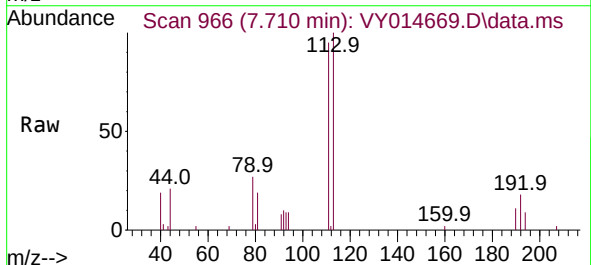
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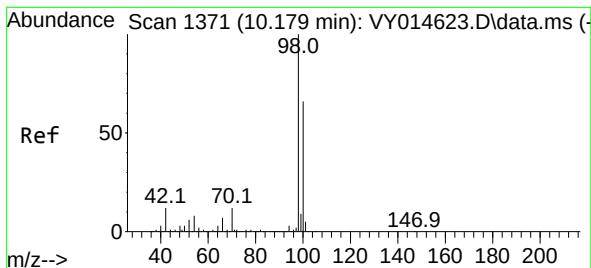
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#35
Dibromofluoromethane
Concen: 40.185 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

Tgt Ion:113 Resp: 6516
Ion Ratio Lower Upper
113 100
111 106.7 81.3 121.9
192 21.6 16.9 25.3





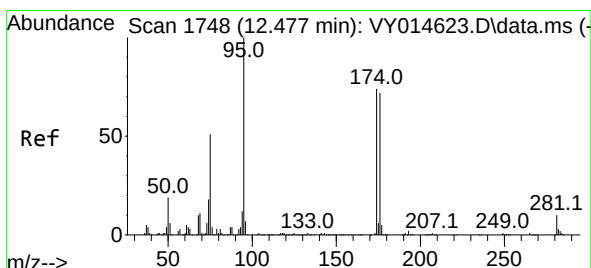
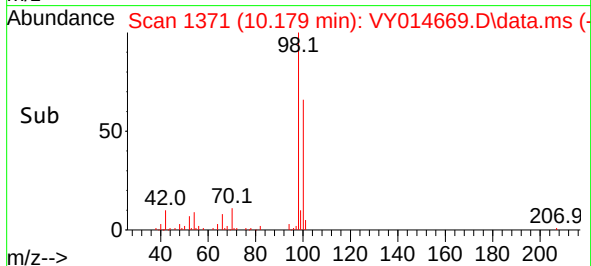
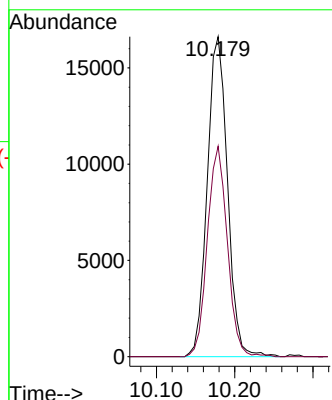
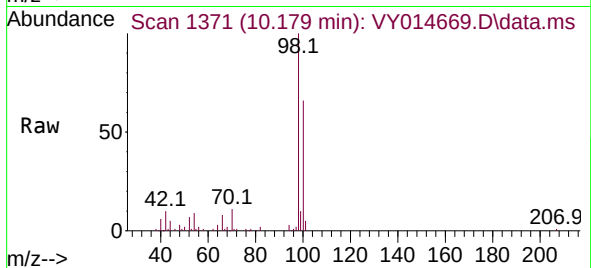
#50
Toluene-d8
Concen: 49.871 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323

Tgt Ion: 98 Resp: 2981
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

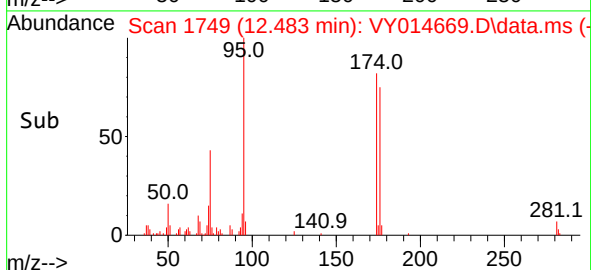
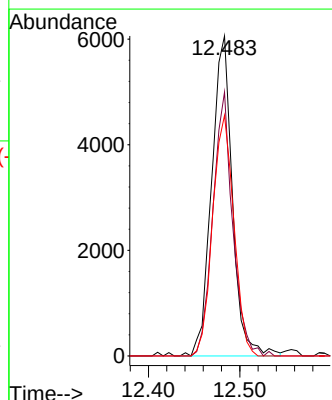
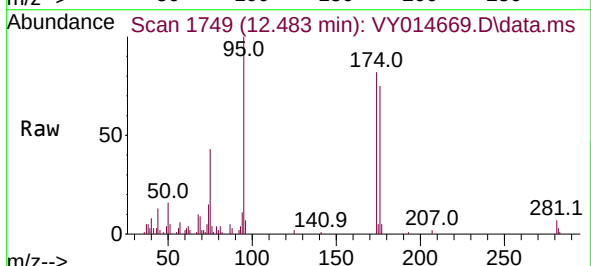
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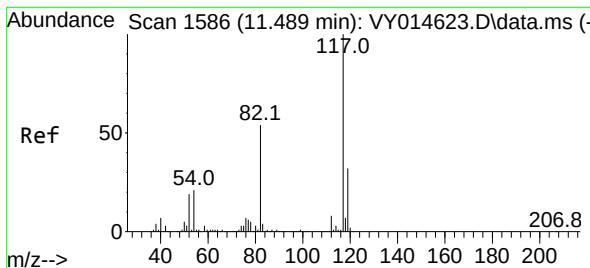
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#62
4-Bromofluorobenzene
Concen: 41.610 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

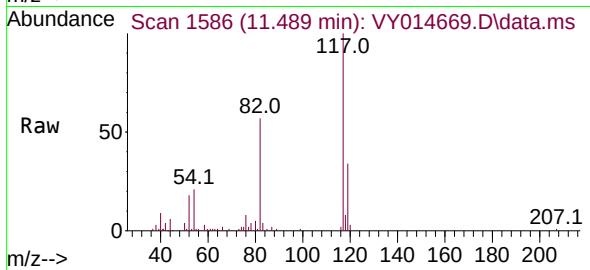
Tgt Ion: 95 Resp: 9538
Ion Ratio Lower Upper
95 100
174 78.9 0.0 178.2
176 77.2 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

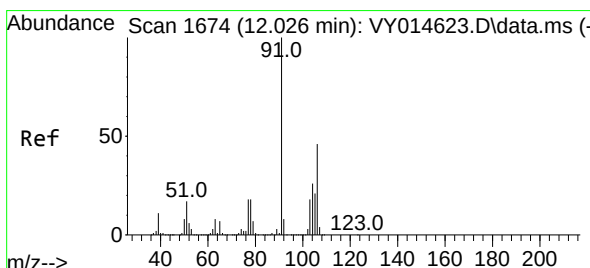
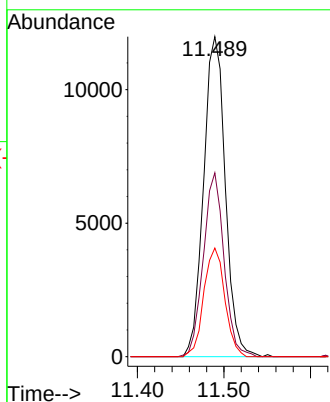
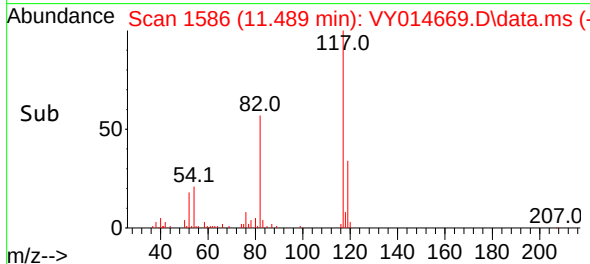
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323



Tgt Ion:117 Resp: 20904
Ion Ratio Lower Upper
117 100
82 57.4 43.4 65.0
119 33.9 26.3 39.5

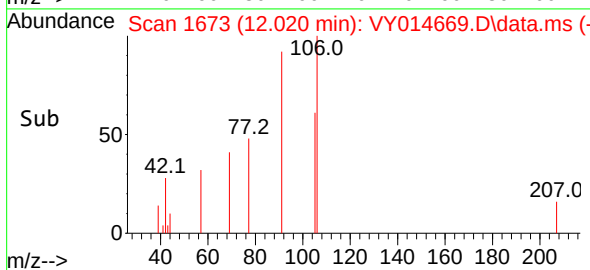
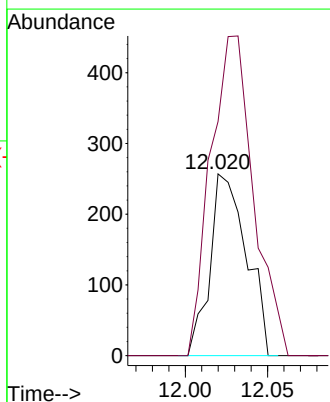
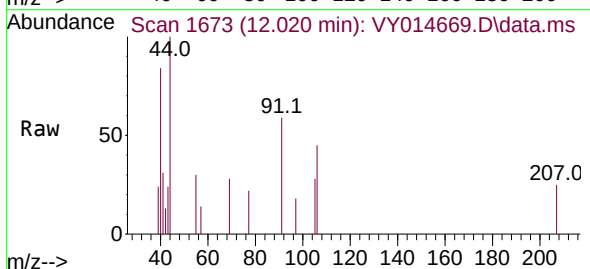
Manual Integrations
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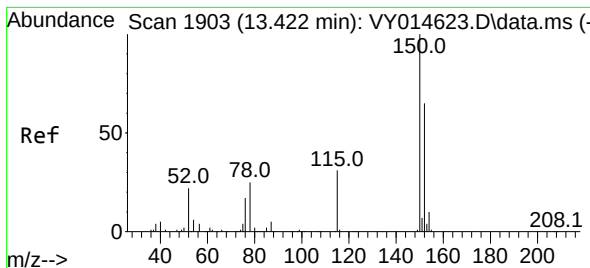
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#69
o-Xylene
Concen: 1.328 ug/l
RT: 12.020 min Scan# 1673
Delta R.T. -0.006 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

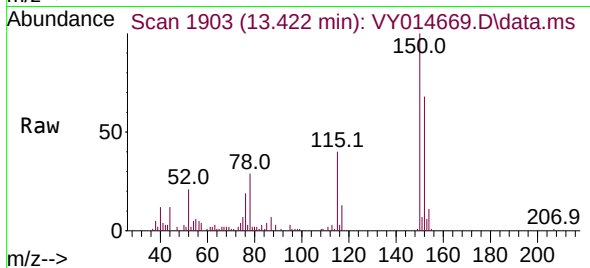
Tgt Ion:106 Resp: 397
Ion Ratio Lower Upper
106 100
91 206.8 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

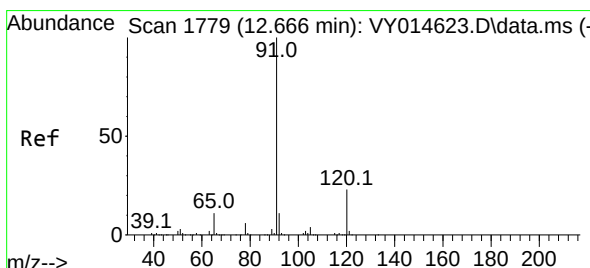
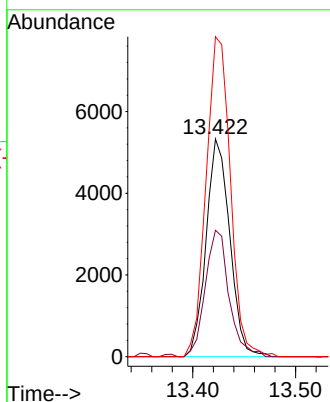
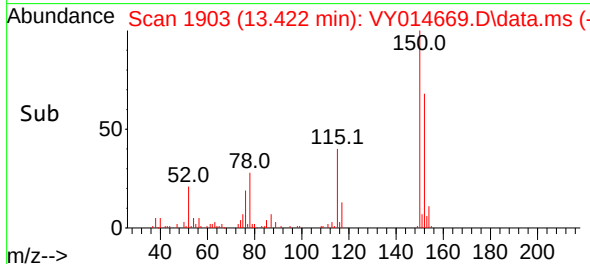
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323



Tgt Ion:152 Resp: 8520
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 151.2 0.0 348.8

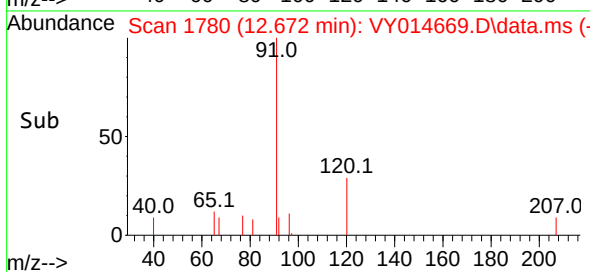
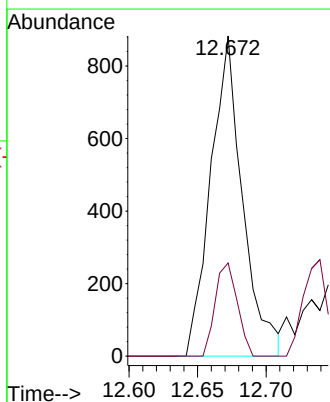
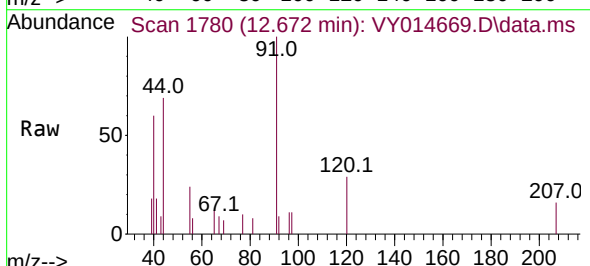
Manual Integrations
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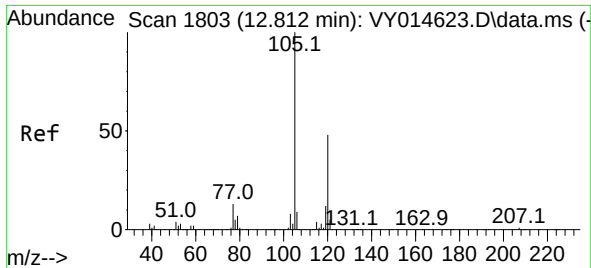
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#78
n-propylbenzene
Concen: 1.773 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VY014669.D
Acq: 17 Jul 2023 13:57

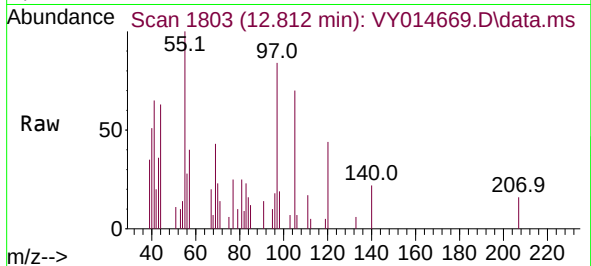
Tgt Ion: 91 Resp: 1426
Ion Ratio Lower Upper
91 100
120 20.1 11.5 34.4





#80
 1,3,5-Trimethylbenzene
 Concen: 1.960 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY014669.D
 Acq: 17 Jul 2023 13:57

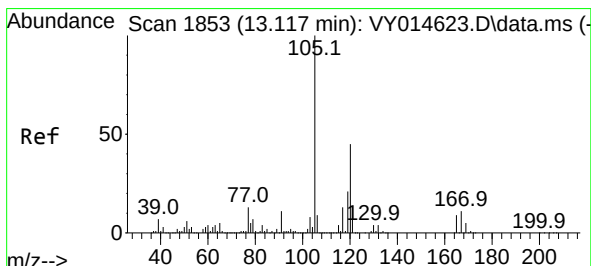
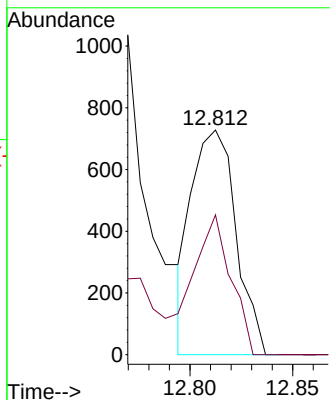
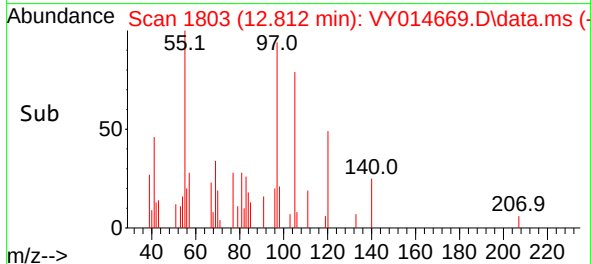
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-4-071323



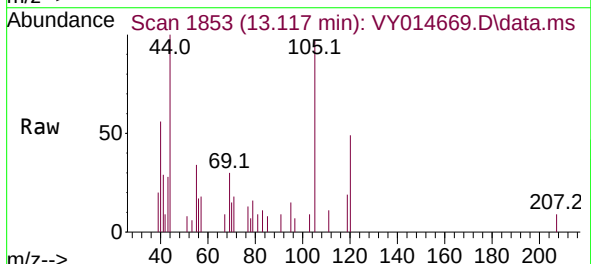
Tgt Ion:105 Resp: 109
 Ion Ratio Lower Upper
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 120 54.3 23.9 71.7

Manual Integrations
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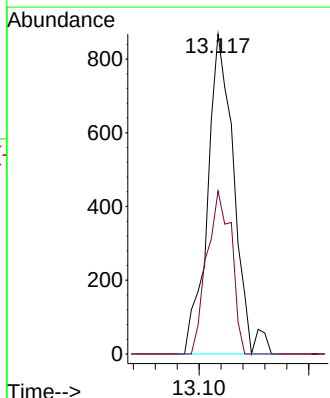
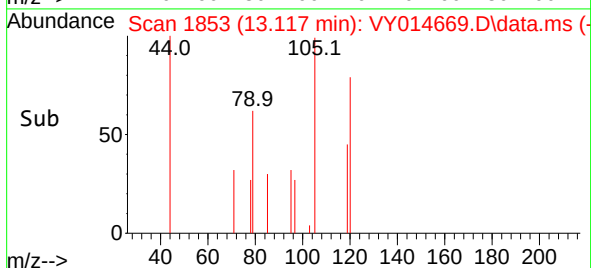
Reviewed By :John Carlone 07/18/2023
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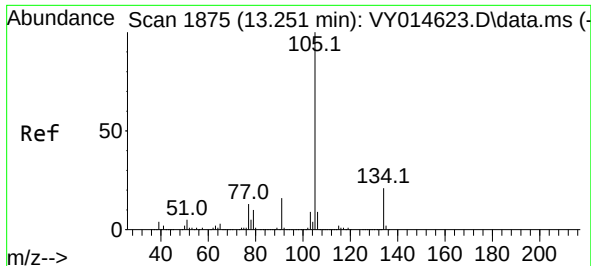


#84
 1,2,4-Trimethylbenzene
 Concen: 2.648 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY014669.D
 Acq: 17 Jul 2023 13:57



Tgt Ion:105 Resp: 1449
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.2 66.6





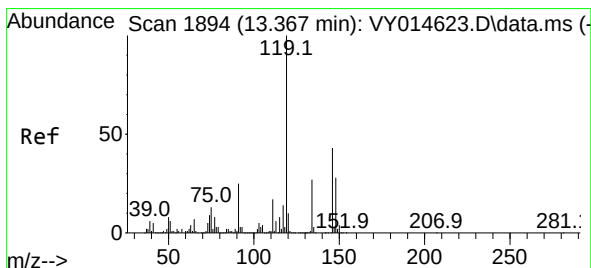
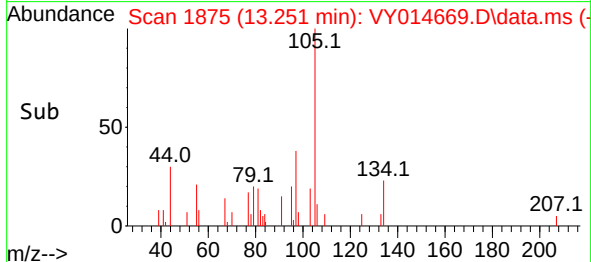
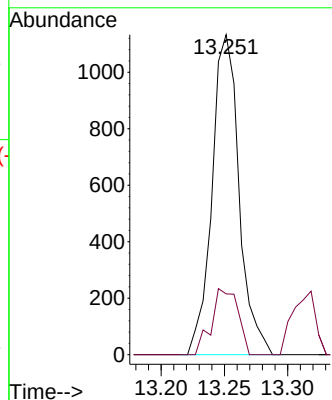
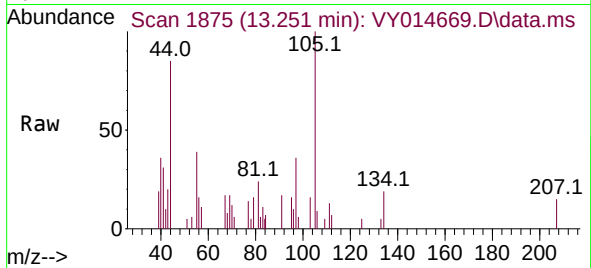
#85
 sec-Butylbenzene
 Concen: 2.324 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY014669.D
 Acq: 17 Jul 2023 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-4-071323

Tgt Ion:105 Resp: 1680
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.6

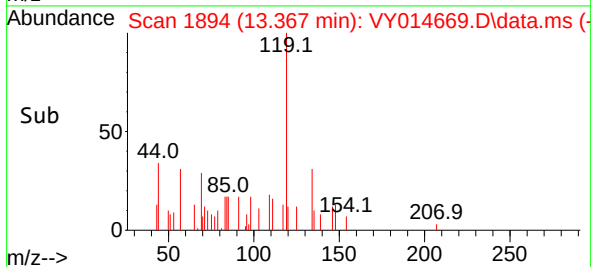
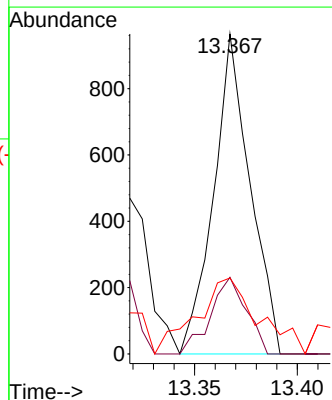
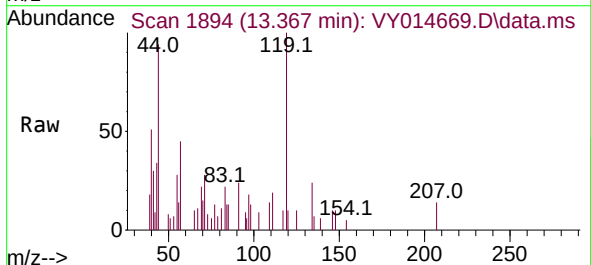
Manual Integrations
 APPROVED

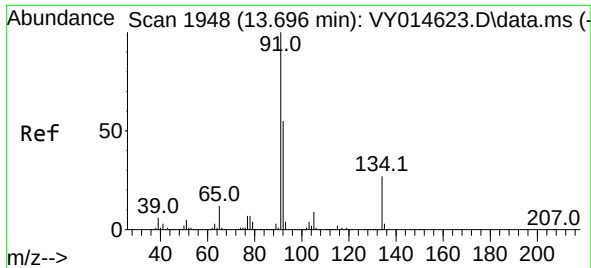
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023



#86
 p-Isopropyltoluene
 Concen: 2.012 ug/l m
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY014669.D
 Acq: 17 Jul 2023 13:57

Tgt Ion:119 Resp: 1192
 Ion Ratio Lower Upper
 119 100
 134 23.7 13.3 39.8
 91 25.4 12.4 37.4





#89
 n-Butylbenzene
 Concen: 2.330 ug/l m
 RT: 13.690 min Scan# 1948
 Delta R.T. -0.006 min
 Lab File: VY014669.D
 Acq: 17 Jul 2023 13:57

Instrument : MSVOA_Y
 ClientSampleId : TR-4-071323

Tgt Ion: 91	Resp: 134
Ion Ratio	Lower Upper
91	100
92	55.9 25.4 76.0
134	113.8 12.6 37.6

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

