

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
 Data File : VN075593.D
 Acq On : 06 Dec 2022 18:38
 Operator : JC\MD
 Sample : N5876-07 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MORR-12-02-SIL

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/07/2022
 Supervised By :Mahesh Dadoda 12/07/2022

Quant Time: Dec 07 00:18:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	212594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	344458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	312016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	146090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	55846	48.937	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.880%		
35) Dibromofluoromethane	8.171	113	72788	53.792	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.580%		
50) Toluene-d8	10.571	98	159060	52.191	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.380%		
62) 4-Bromofluorobenzene	12.853	95	117115	52.063	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.120%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	27189	56.756	ug/l #	77
16) Acetone	4.442	43	60687	57.013	ug/l #	87
18) Methyl Acetate	5.048	43	6525	1.167	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	14743	2.114	ug/l #	77
25) 2-Butanone	7.494	43	35786	24.081	ug/l	90
29) Tetrahydrofuran	7.865	42	1491m	1.649	ug/l	
40) Benzene	8.612	78	586602	64.927	ug/l	98
43) Isopropyl Acetate	8.694	43	12485	2.927	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	5296	1.950	ug/l	94
52) Toluene	10.635	92	575335	98.819	ug/l	100
67) Ethyl Benzene	11.965	91	42965	3.908	ug/l	100
68) m/p-Xylenes	12.071	106	100293	22.466	ug/l	100
69) o-Xylene	12.400	106	40454	9.120	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	24272	2.737	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	55303	6.218	ug/l	99

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

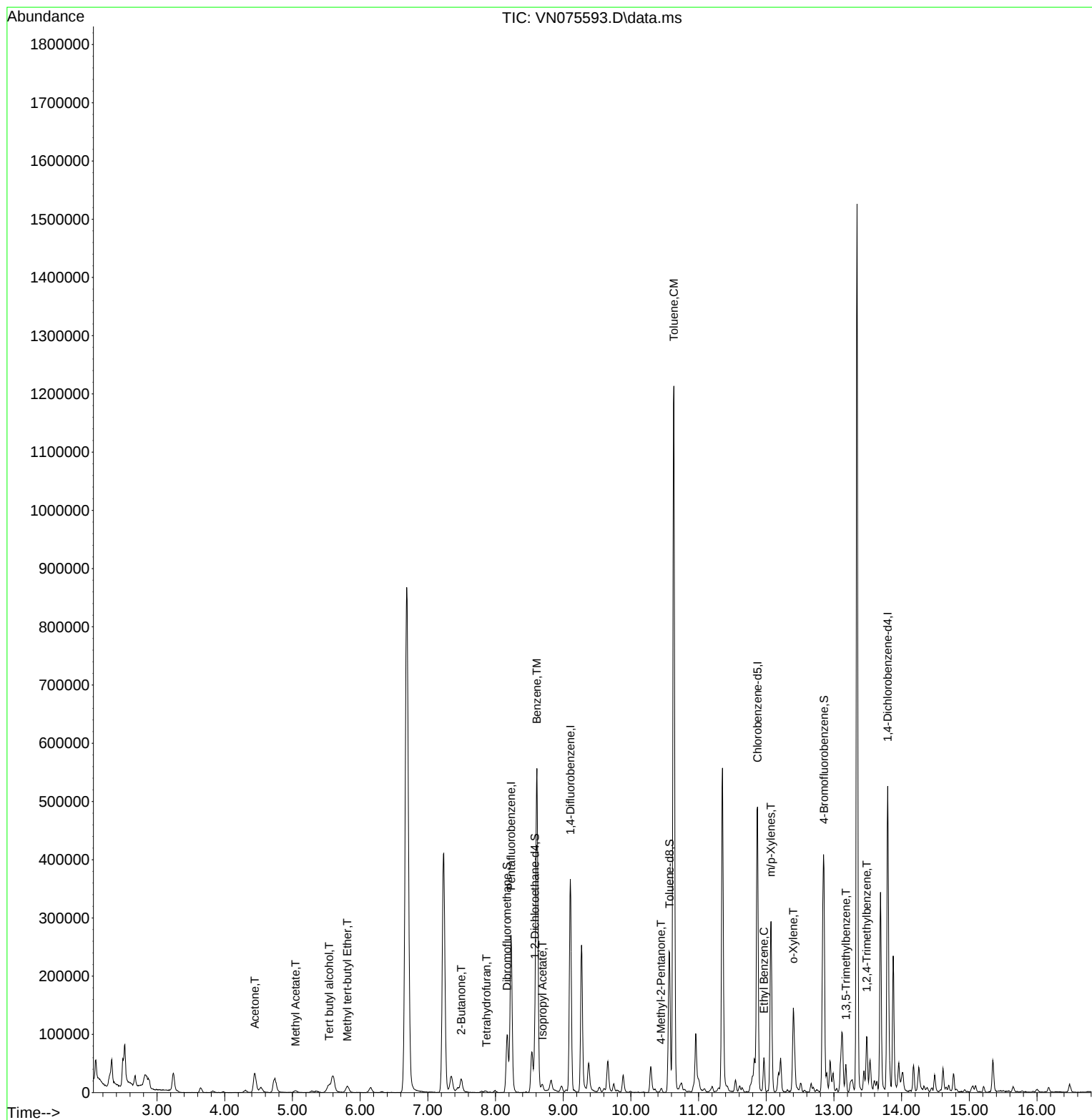
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120622\
Data File : VN075593.D
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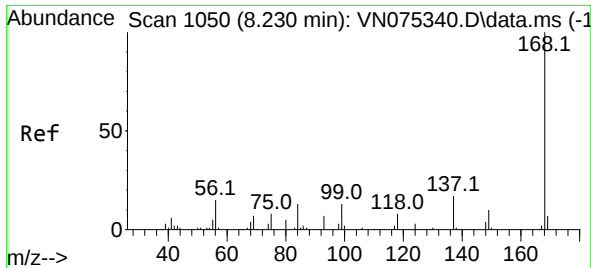
Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL

Quant Time: Dec 07 00:18:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
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Manual Integrations
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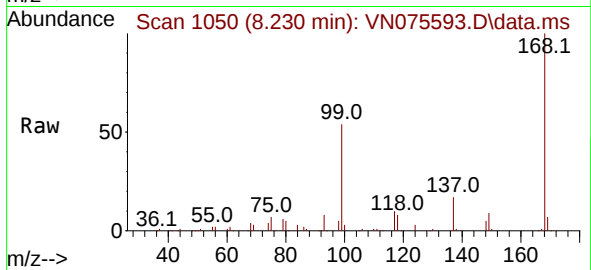
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

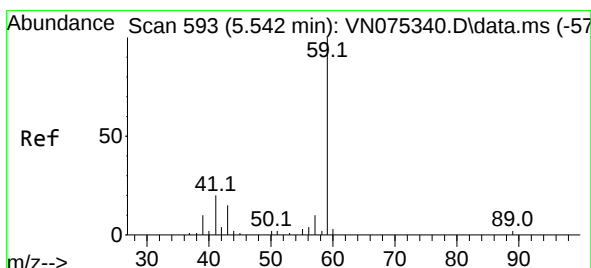
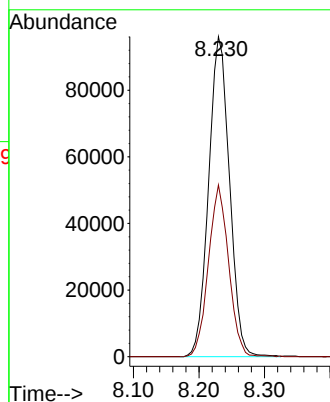
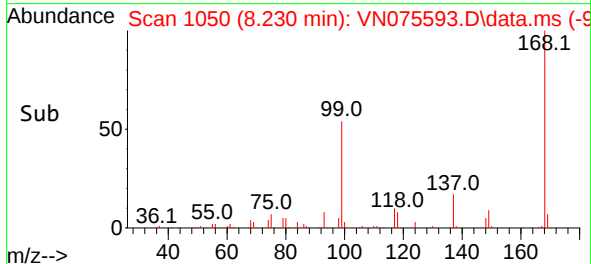
Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL



Tgt Ion:168 Resp: 212594
Ion Ratio Lower Upper
168 100
99 53.6 51.6 77.4

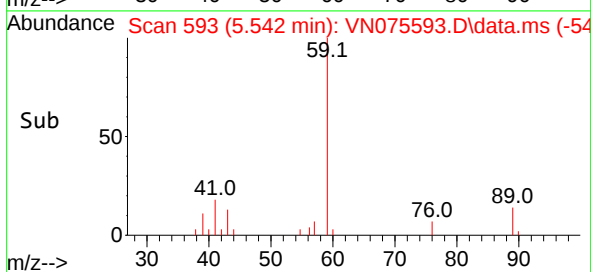
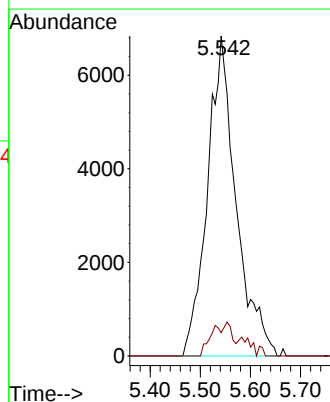
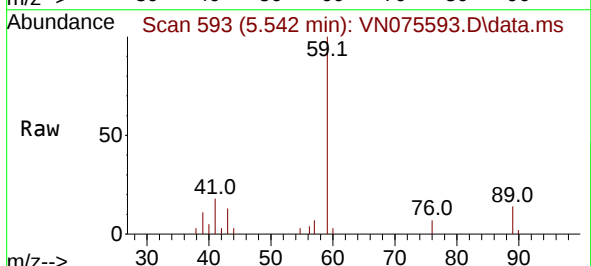
Manual Integrations
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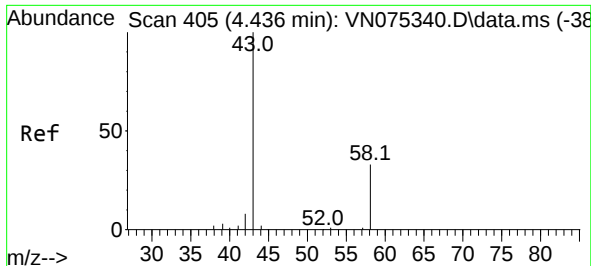
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#11
Tert butyl alcohol
Concen: 56.756 ug/l
RT: 5.542 min Scan# 593
Delta R.T. -0.000 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Tgt Ion: 59 Resp: 27189
Ion Ratio Lower Upper
59 100
57 2.0 8.5 12.7#





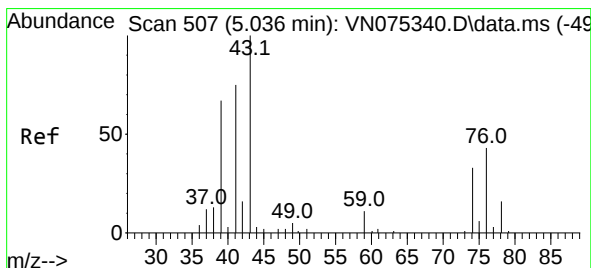
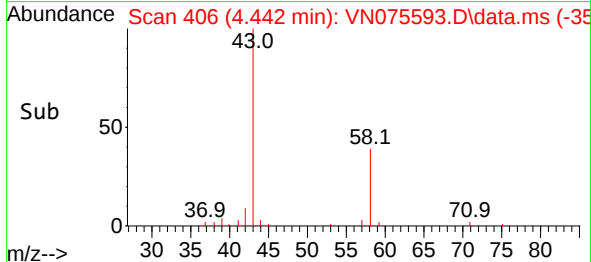
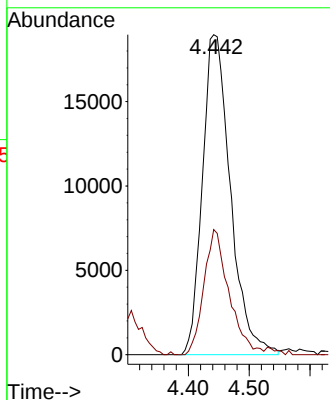
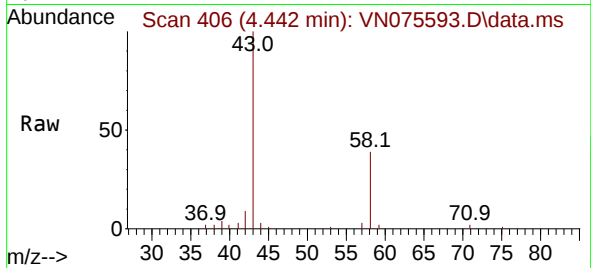
#16
Acetone
Concen: 57.013 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL

Tgt Ion: 43 Resp: 6068
Ion Ratio Lower Upper
43 100
58 39.1 25.5 38.3

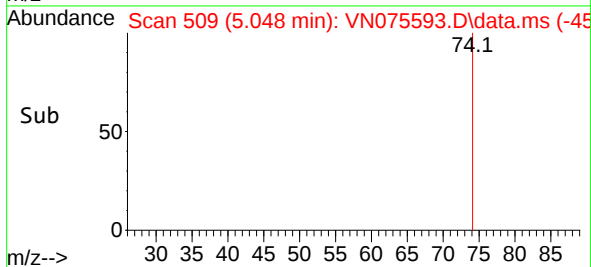
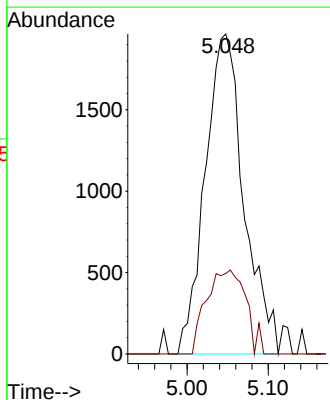
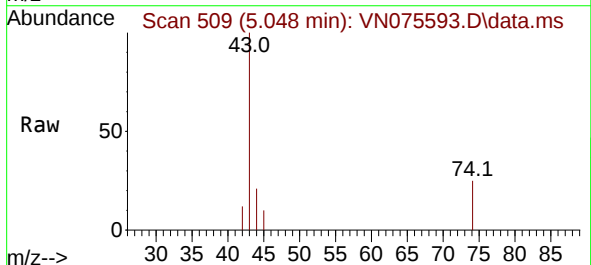
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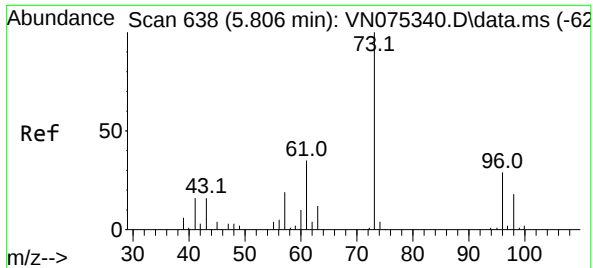
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#18
Methyl Acetate
Concen: 1.167 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Tgt Ion: 43 Resp: 6525
Ion Ratio Lower Upper
43 100
74 26.7 22.0 33.0





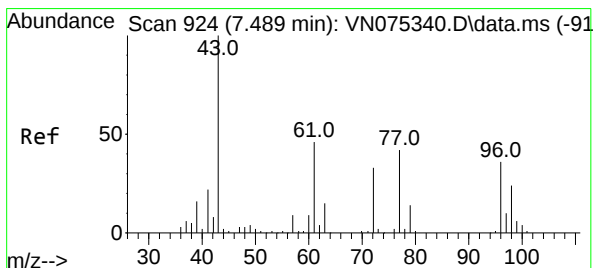
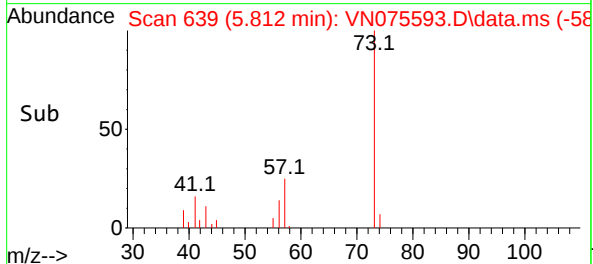
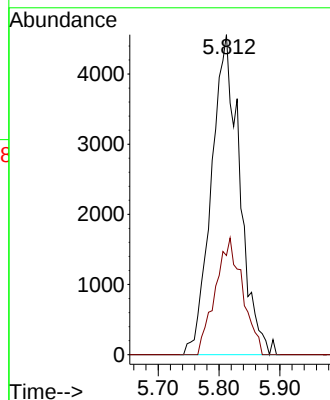
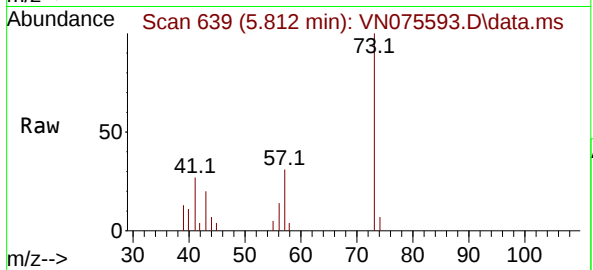
#19
Methyl tert-butyl Ether
Concen: 2.114 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL

Tgt Ion: 73 Resp: 1474
Ion Ratio Lower Upper
73 100
57 31.0 16.3 24.5

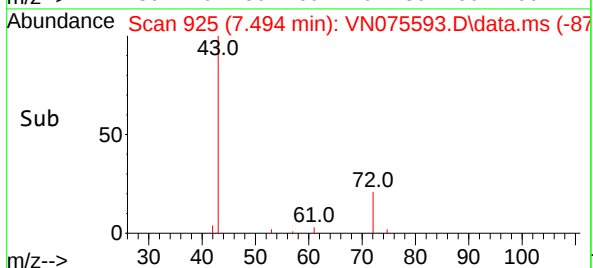
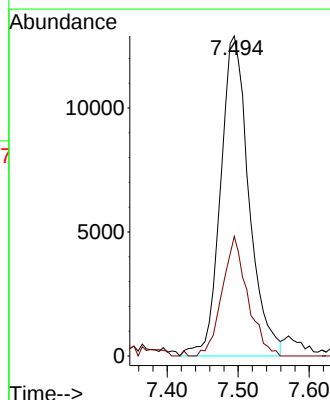
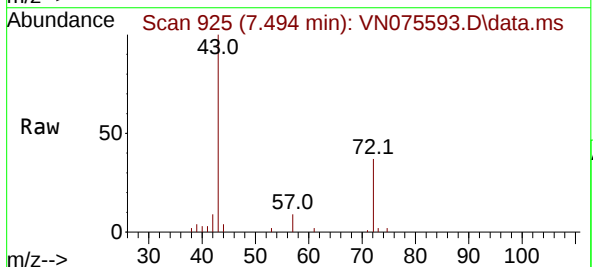
Manual Integrations
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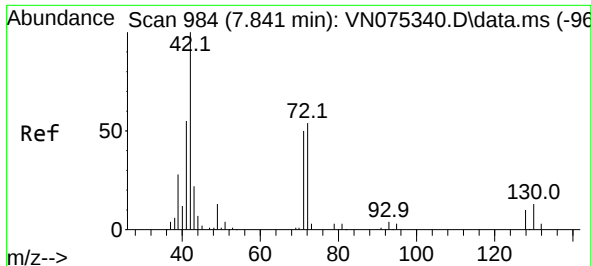
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#25
2-Butanone
Concen: 24.081 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Tgt Ion: 43 Resp: 35786
Ion Ratio Lower Upper
43 100
72 37.3 25.5 38.3





#29

Tetrahydrofuran

Concen: 1.649 ug/l

RT: 7.865 min Scan# 984

Delta R.T. 0.024 min

Lab File: VN075593.D

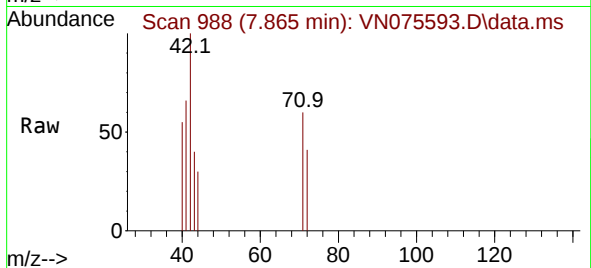
Acq: 06 Dec 2022 18:38

Instrument :

MSVOA_N

ClientSampleId :

MORR-12-02-SIL



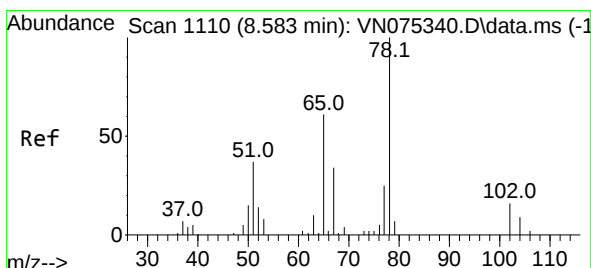
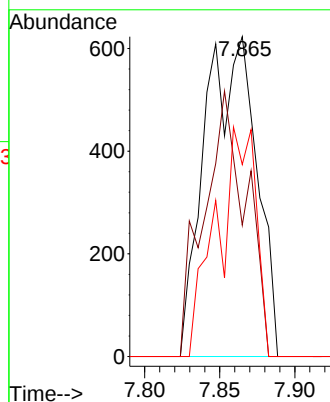
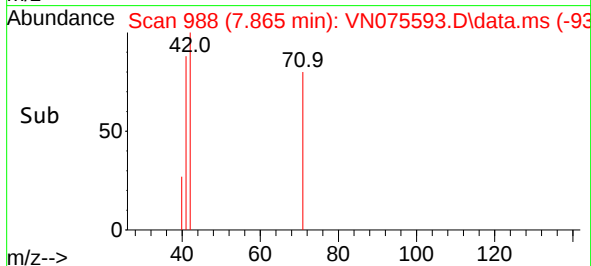
Tgt Ion:	42	Resp:	149
Ion Ratio	Lower	Upper	
42	100		
72	67.5	43.0	64.6
71	54.2	39.9	59.9

Manual Integrations

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Reviewed By :Krupa Patel 12/07/2022

Supervised By :Mahesh Dadoda 12/07/2022



#33

1,2-Dichloroethane-d4

Concen: 48.937 ug/l

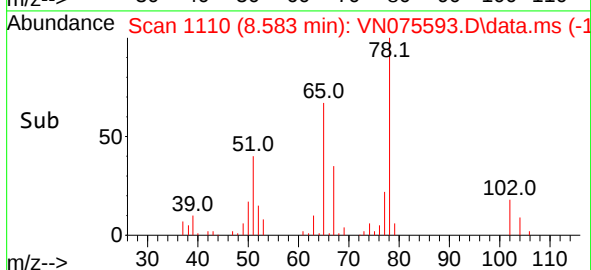
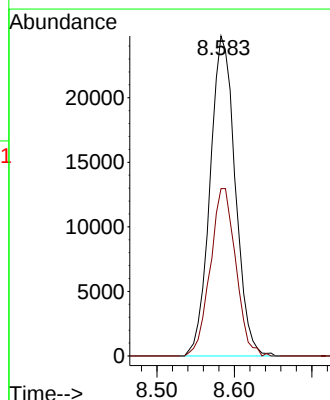
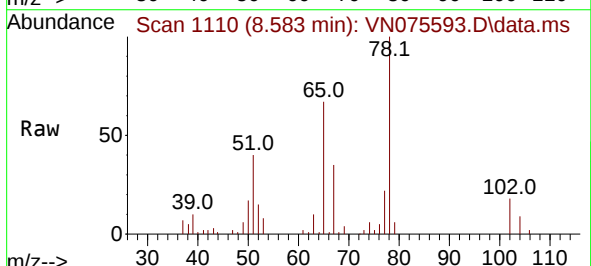
RT: 8.583 min Scan# 1110

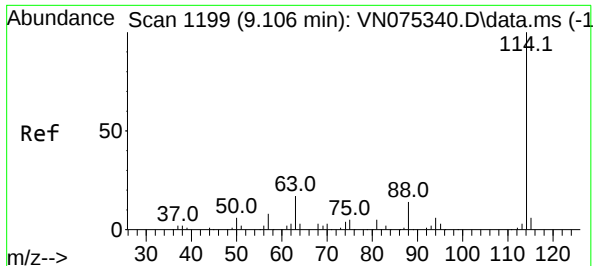
Delta R.T. -0.000 min

Lab File: VN075593.D

Acq: 06 Dec 2022 18:38

Tgt Ion:	65	Resp:	55846
Ion Ratio	Lower	Upper	
65	100		
67	53.0	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075593.D

Acq: 06 Dec 2022 18:38

Instrument :

MSVOA_N

ClientSampleId :

MORR-12-02-SIL

Tgt Ion:114 Resp: 344458

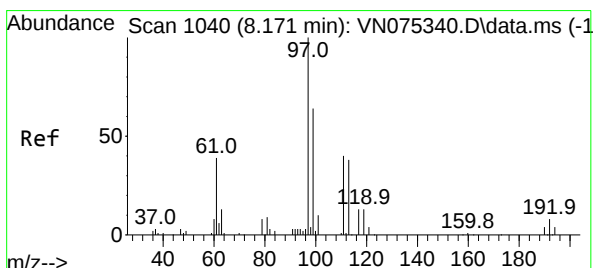
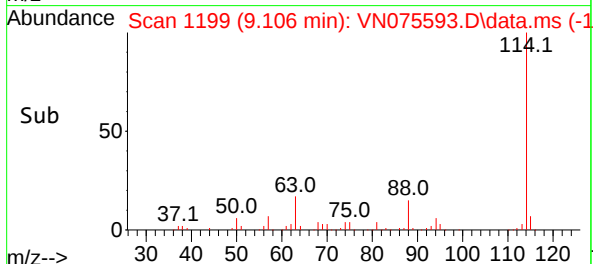
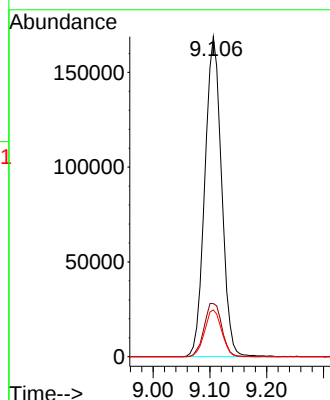
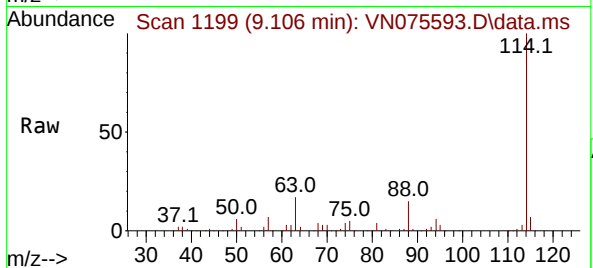
Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	39.6
88	14.6	0.0	29.0

Manual Integrations

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Reviewed By :Krupa Patel 12/07/2022

Supervised By :Mahesh Dadoda 12/07/2022



#35

Dibromofluoromethane

Concen: 53.792 ug/l

RT: 8.171 min Scan# 1040

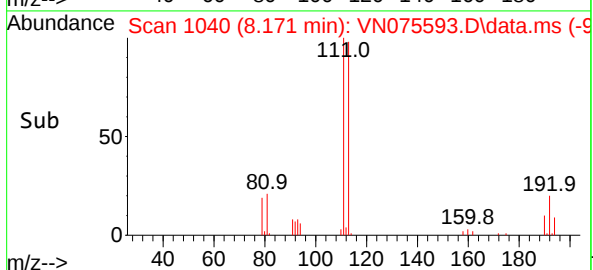
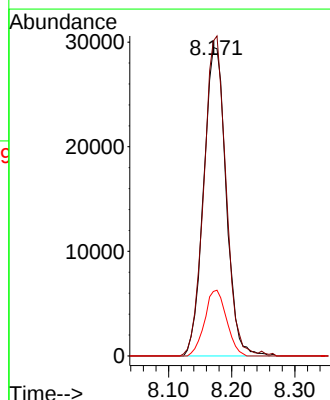
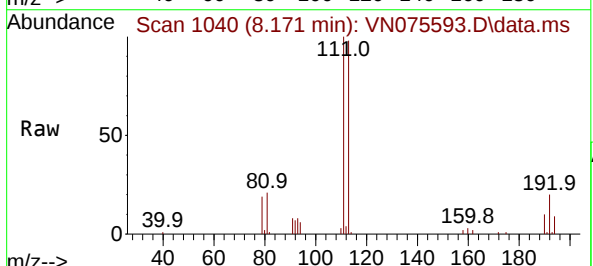
Delta R.T. -0.000 min

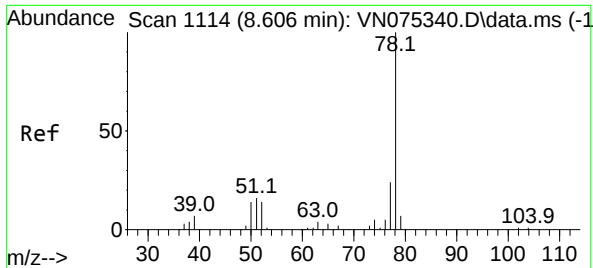
Lab File: VN075593.D

Acq: 06 Dec 2022 18:38

Tgt Ion:113 Resp: 72788

Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.5	120.7
192	20.8	13.2	19.8





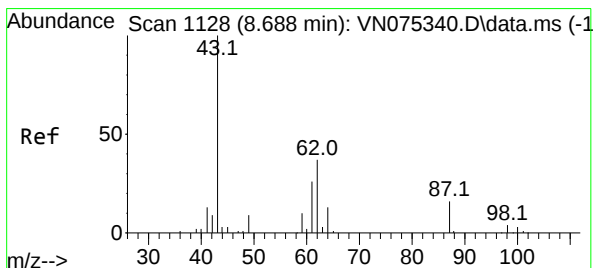
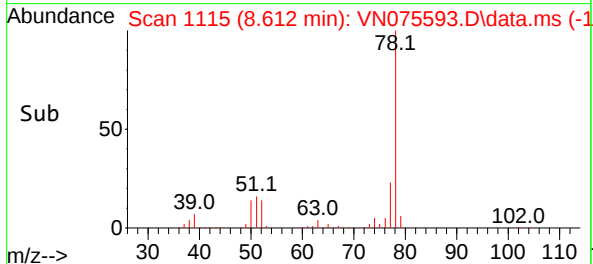
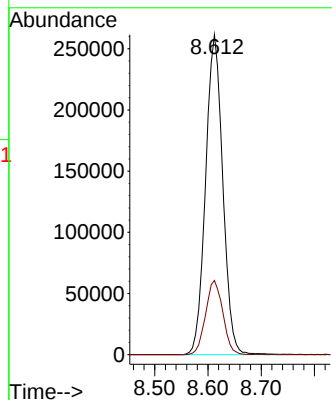
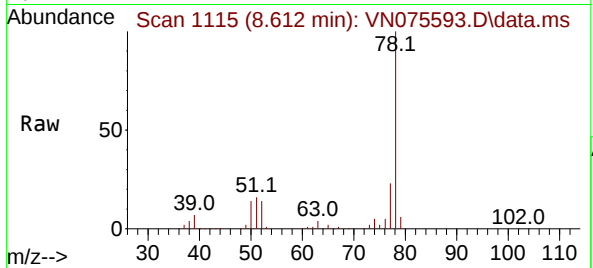
#40
Benzene
Concen: 64.927 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL

Tgt Ion: 78 Resp: 58660
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0

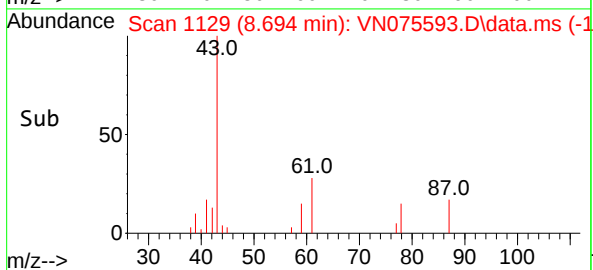
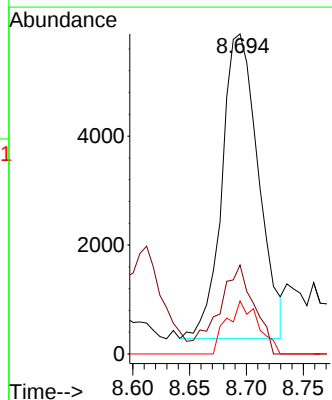
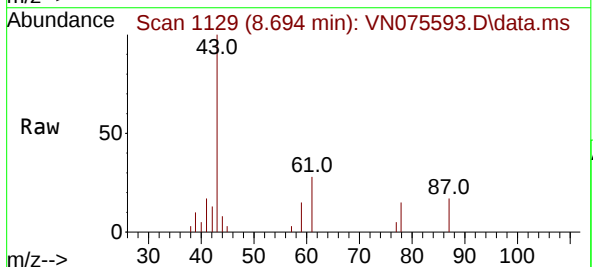
Manual Integrations
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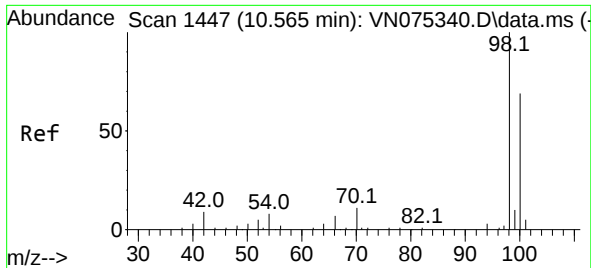
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#43
Isopropyl Acetate
Concen: 2.927 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Tgt Ion: 43 Resp: 12485
Ion Ratio Lower Upper
43 100
61 28.6 22.4 33.6
87 15.0 12.5 18.7





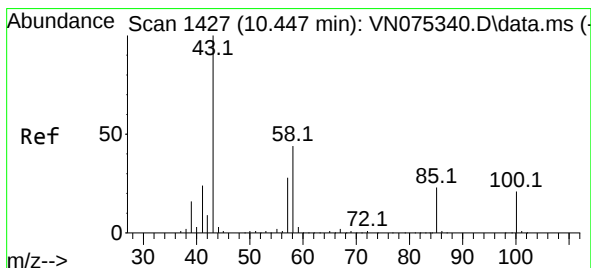
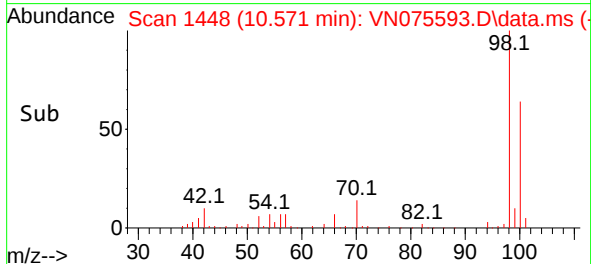
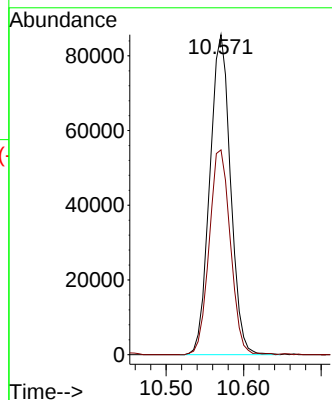
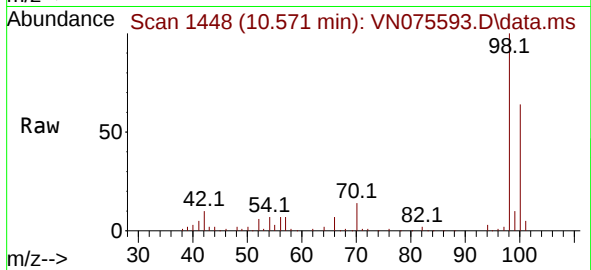
#50
Toluene-d8
Concen: 52.191 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL

Tgt Ion: 98 Resp: 159060
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.6

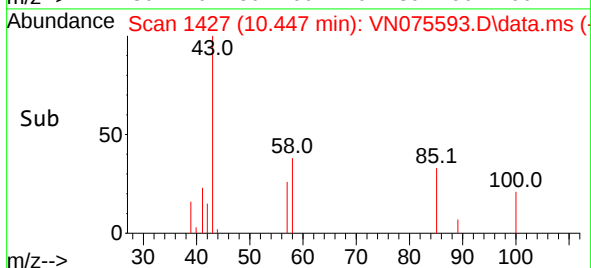
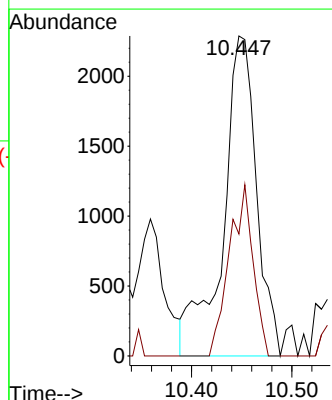
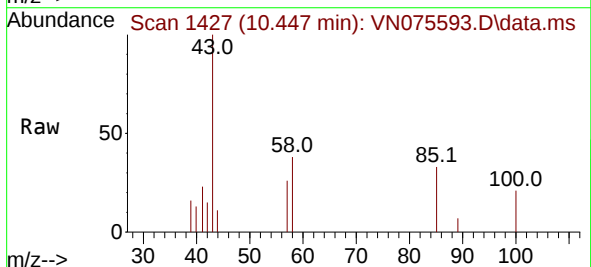
Manual Integrations
APPROVED

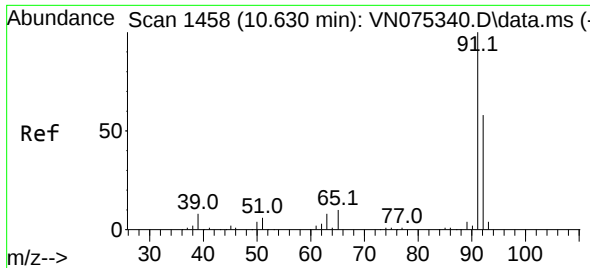
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#51
4-Methyl-2-Pentanone
Concen: 1.950 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

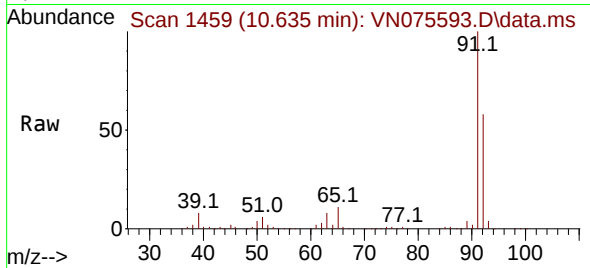
Tgt Ion: 43 Resp: 5296
Ion Ratio Lower Upper
43 100
58 38.1 33.6 50.4





#52
Toluene
Concen: 98.819 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

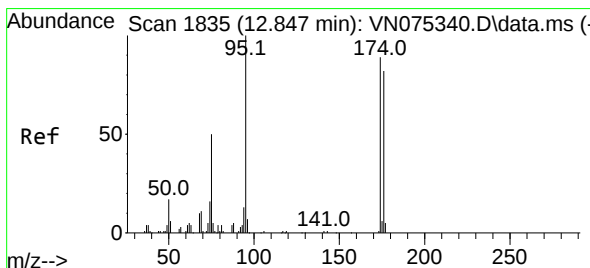
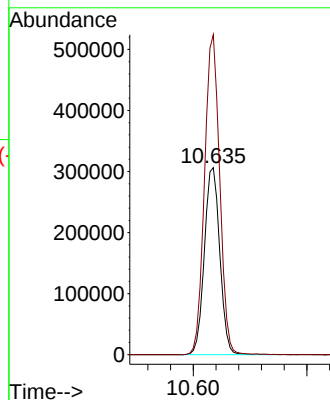
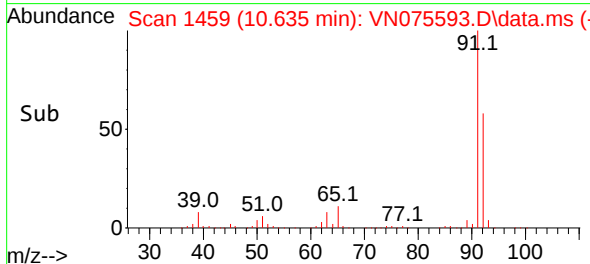
Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL



Tgt Ion: 92 Resp: 575335
Ion Ratio Lower Upper
92 100
91 168.7 135.4 203.2

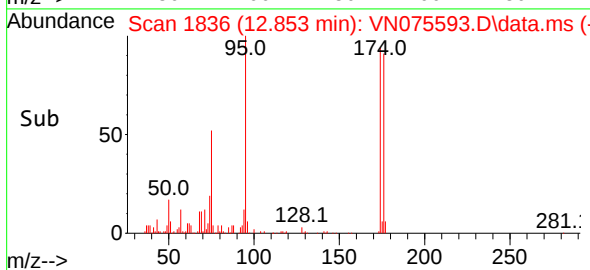
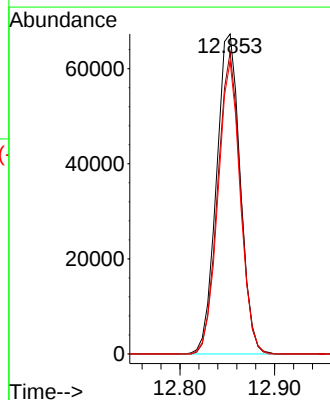
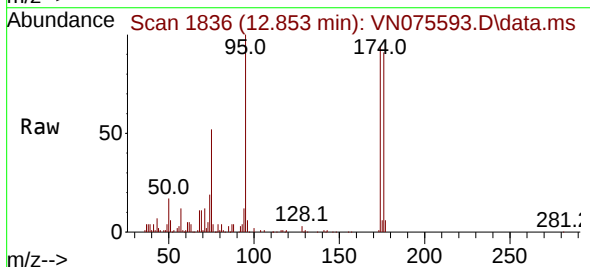
Manual Integrations
APPROVED

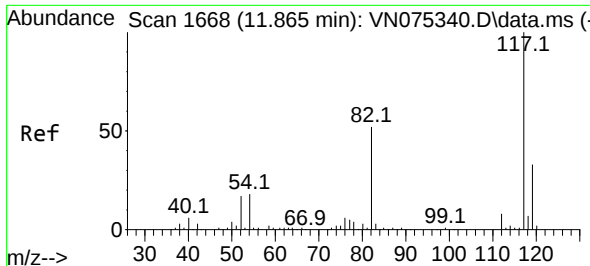
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#62
4-Bromofluorobenzene
Concen: 52.063 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

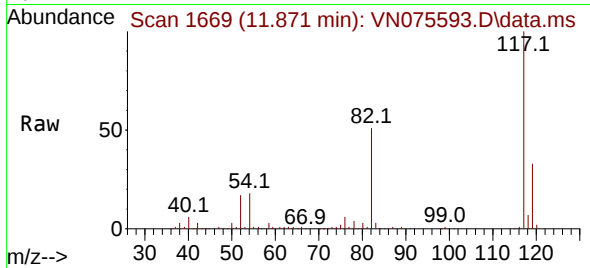
Tgt Ion: 95 Resp: 117115
Ion Ratio Lower Upper
95 100
174 89.9 0.0 147.4
176 85.9 0.0 142.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

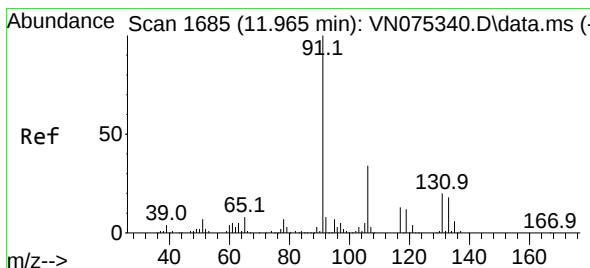
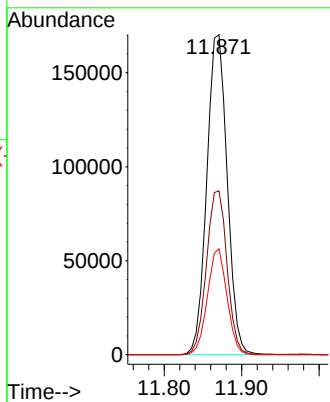
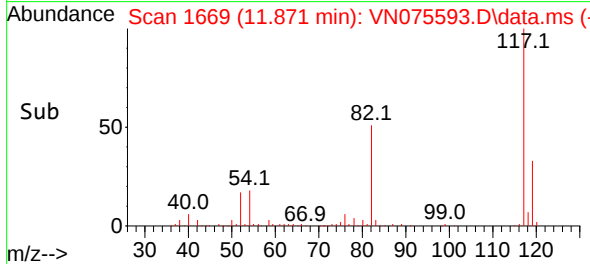
Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL



Tgt Ion:117 Resp: 312010
Ion Ratio Lower Upper
117 100
82 51.2 43.1 64.7
119 33.1 25.5 38.3

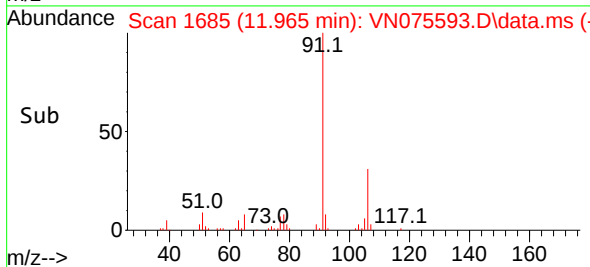
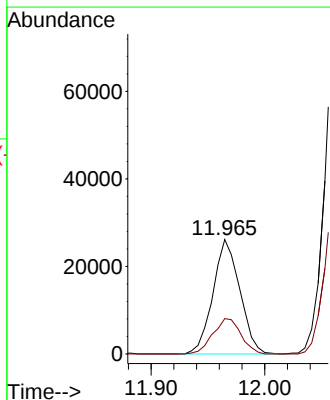
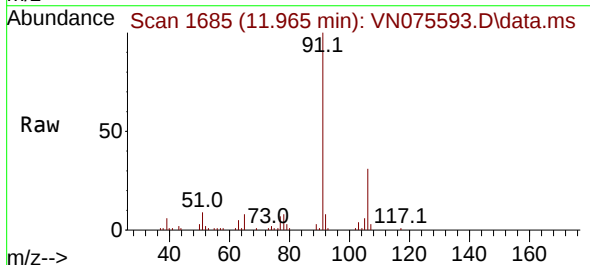
Manual Integrations
APPROVED

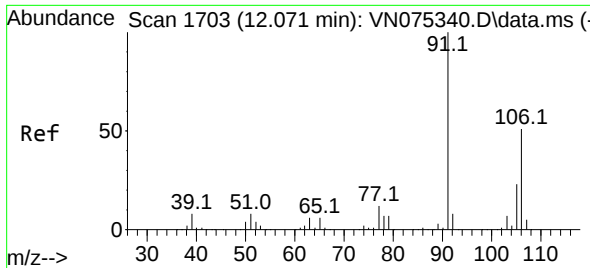
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#67
Ethyl Benzene
Concen: 3.908 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Tgt Ion: 91 Resp: 42965
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3





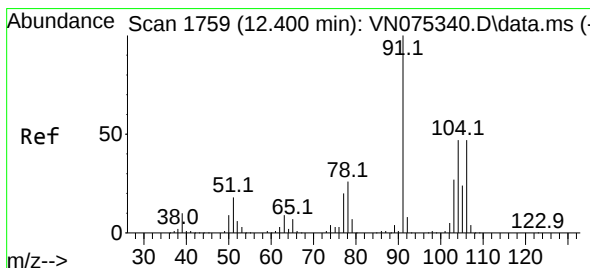
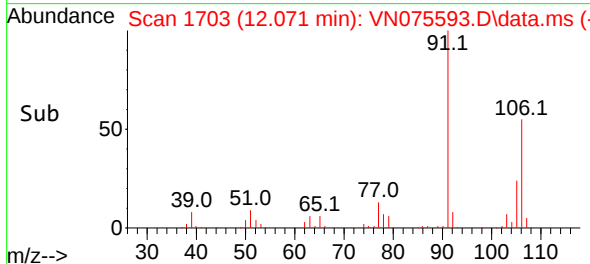
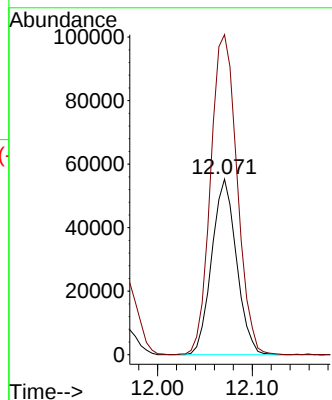
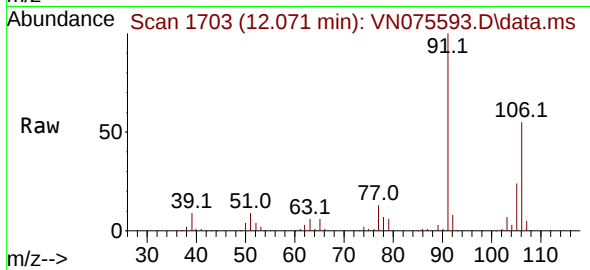
#68
m/p-Xylenes
Concen: 22.466 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :
MORR-12-02-SIL

Tgt Ion:106 Resp: 10029
Ion Ratio Lower Upper
106 100
91 195.2 156.0 234.0

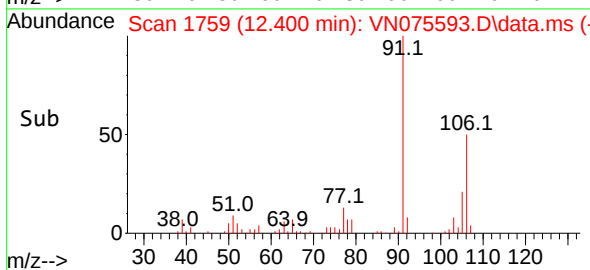
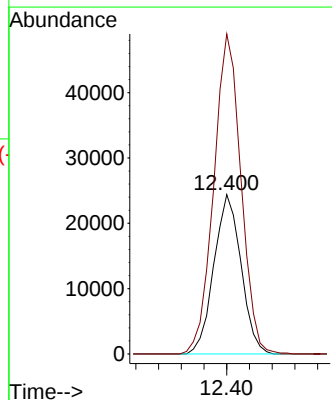
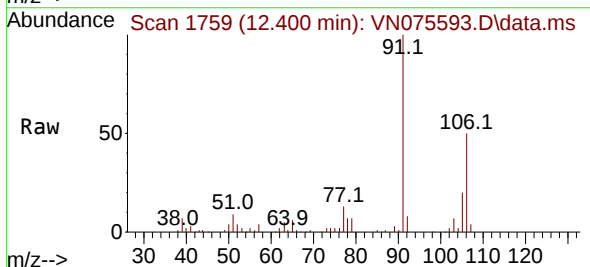
Manual Integrations
APPROVED

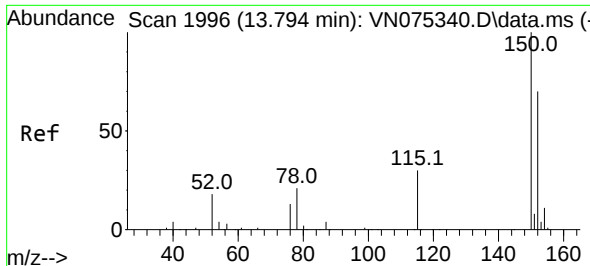
Reviewed By :Krupa Patel 12/07/2022
Supervised By :Mahesh Dadoda 12/07/2022



#69
o-Xylene
Concen: 9.120 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075593.D
Acq: 06 Dec 2022 18:38

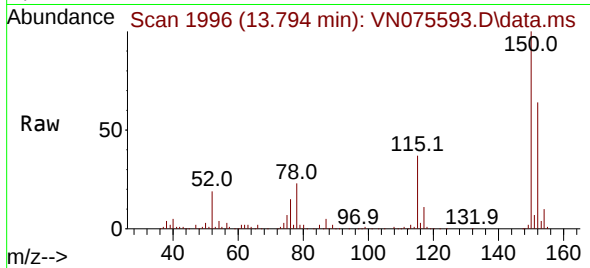
Tgt Ion:106 Resp: 40454
Ion Ratio Lower Upper
106 100
91 201.4 105.2 315.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075593.D
 Acq: 06 Dec 2022 18:38

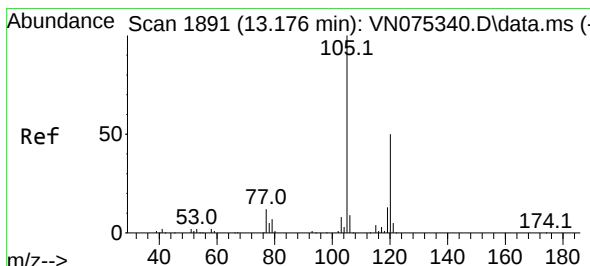
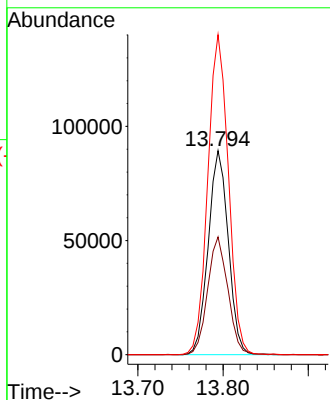
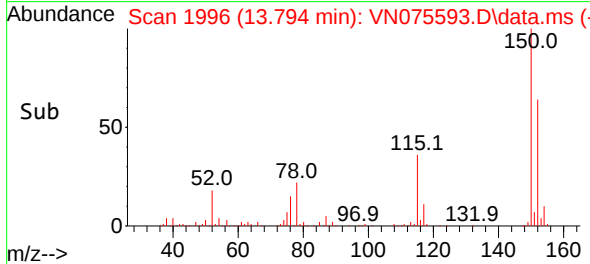
Instrument :
 MSVOA_N
 ClientSampleId :
 MORR-12-02-SIL



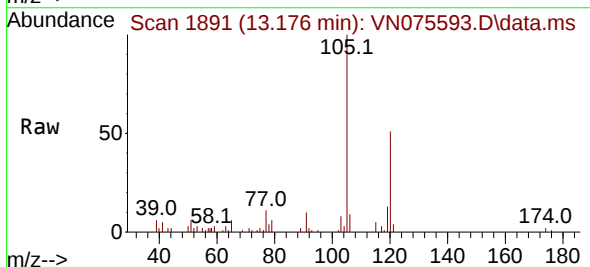
Tgt Ion:152 Resp: 146090
 Ion Ratio Lower Upper
 152 100
 115 58.3 30.2 90.6
 150 160.8 0.0 348.4

Manual Integrations
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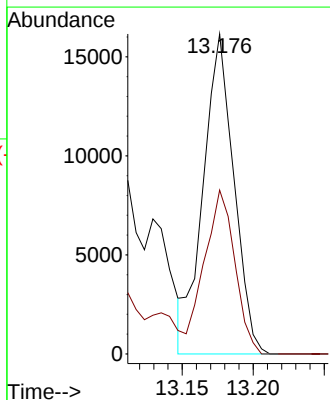
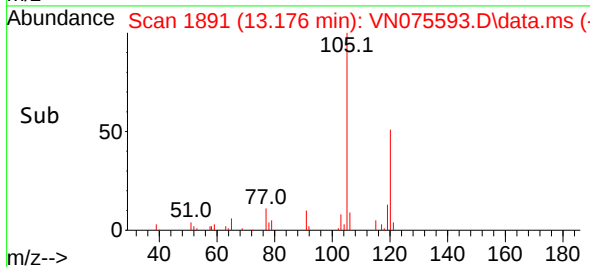
Reviewed By :Krupa Patel 12/07/2022
 Supervised By :Mahesh Dadoda 12/07/2022

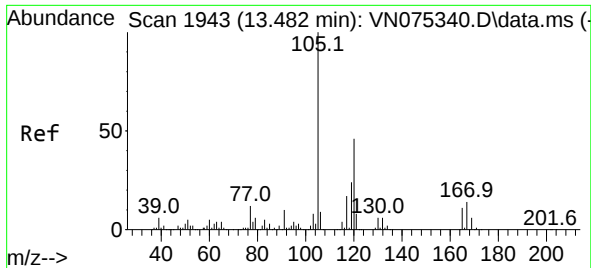


#80
 1,3,5-Trimethylbenzene
 Concen: 2.737 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VN075593.D
 Acq: 06 Dec 2022 18:38



Tgt Ion:105 Resp: 24272
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.7 74.1





#84

1,2,4-Trimethylbenzene

Concen: 6.218 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN075593.D

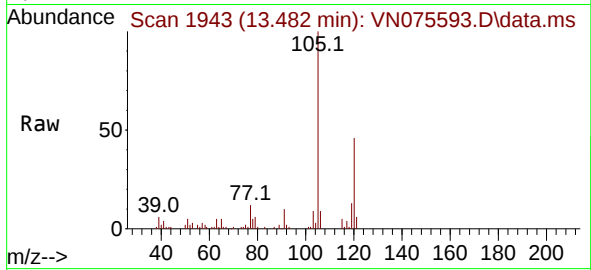
Acq: 06 Dec 2022 18:38

Instrument :

MSVOA_N

ClientSampleId :

MORR-12-02-SIL



Tgt Ion:105 Resp: 5530

Ion Ratio Lower Upper

105 100

120 46.2 22.7 68.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 12/07/2022

Supervised By :Mahesh Dadoda 12/07/2022

