

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070629.D
 Acq On : 14 Jan 2022 17:46
 Operator : JC/MD
 Sample : N1148-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-29R

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 17 05:40:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	858207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1469299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1351510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	525315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	683246	55.371	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.740%			
35) Dibromofluoromethane	8.021	113	476271	53.574	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.140%			
50) Toluene-d8	10.443	98	1994758	54.927	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.860%			
62) 4-Bromofluorobenzene	12.731	95	815820	62.197	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 124.400%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	3943	0.298	ug/l	96
11) Tert butyl alcohol	5.385	59	1152824	561.103	ug/l	97
16) Acetone	4.288	43	50710m	6.331	ug/l	
19) Methyl tert-butyl Ether	5.621	73	5001769	154.094	ug/l #	85
22) Diisopropyl ether	6.501	45	232718	6.029	ug/l #	85
31) Cyclohexane	8.091	56	118973	6.110	ug/l #	85
39) Methylcyclohexane	9.456	83	69549	3.906	ug/l #	79
40) Benzene	8.461	78	880136	19.521	ug/l	100
42) 1,2-Dichloroethane	8.531	62	98268	5.799	ug/l	91
52) Toluene	10.505	92	83651	3.065	ug/l	100
67) Ethyl Benzene	11.846	91	839549	15.979	ug/l	96
68) m/p-Xylenes	11.956	106	197669	10.335	ug/l	89
69) o-Xylene	12.280	106	48915	2.571	ug/l	85
73) Isopropylbenzene	12.578	105	164617	3.374	ug/l	100
78) n-propylbenzene	12.921	91	382394	7.075	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	240076	6.141	ug/l	98
84) 1,2,4-Trimethylbenzene	13.369	105	501712	13.328	ug/l	97
85) sec-Butylbenzene	13.500	105	99601	2.131	ug/l	80
95) Naphthalene	15.507	128	130645	7.059	ug/l	99

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

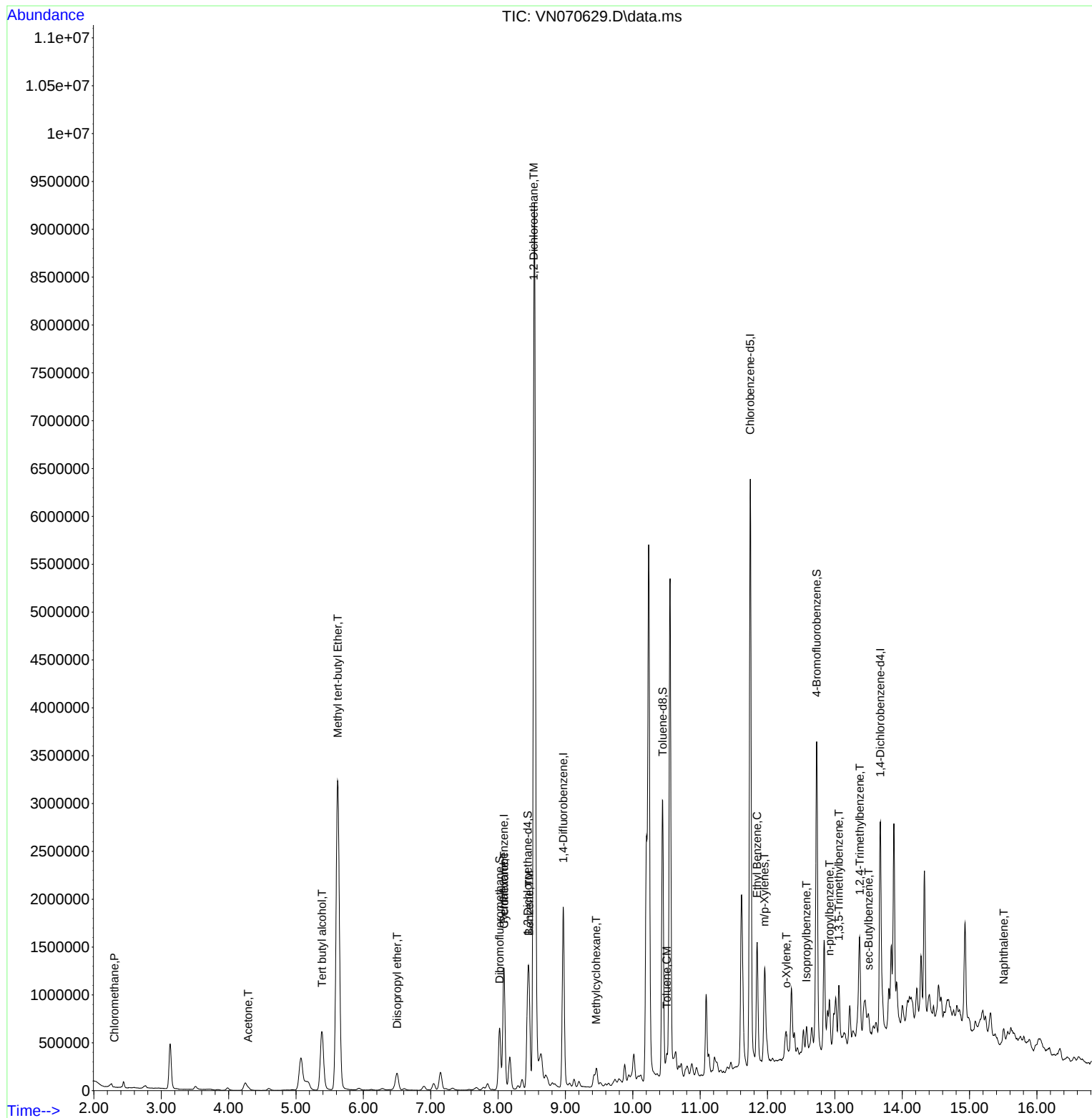
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
Data File : VN070629.D
Acq On : 14 Jan 2022 17:46
Operator : JC/MD
Sample : N1148-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

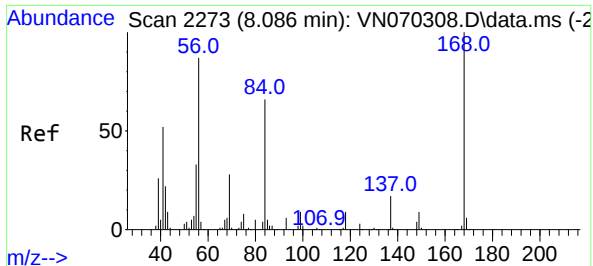
Instrument :
MSVOA_N
ClientSampleId :
MW-29R

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/17/2022
Supervised By : Mahesh Dadoda 01/18/2022

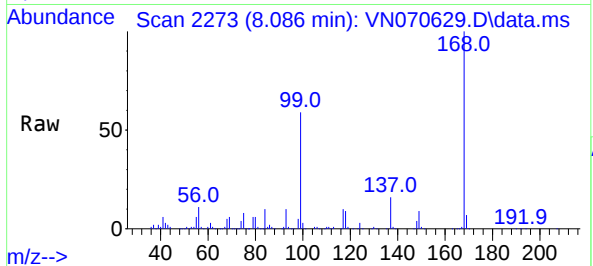
Quant Time: Jan 17 05:40:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

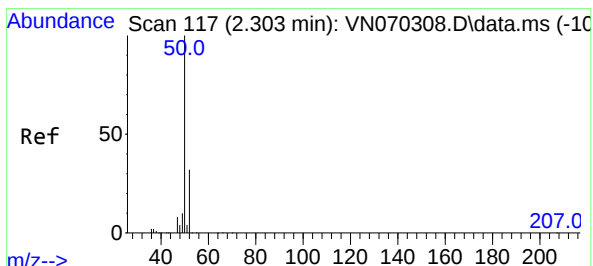
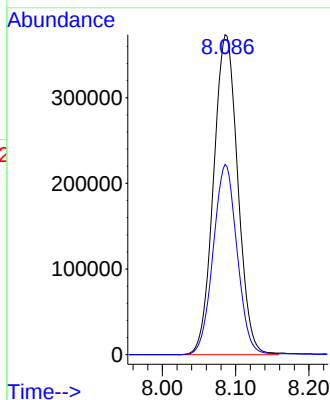
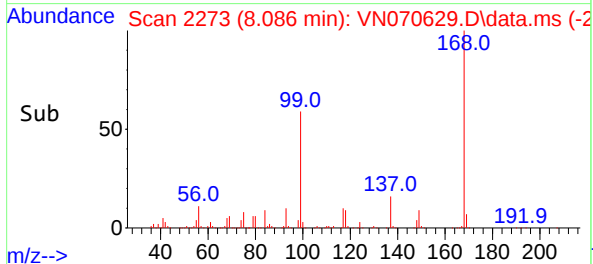
Instrument :
MSVOA_N
ClientSampleId :
MW-29R



Tgt Ion:168 Resp: 85820
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9

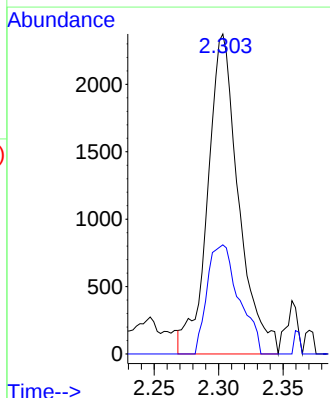
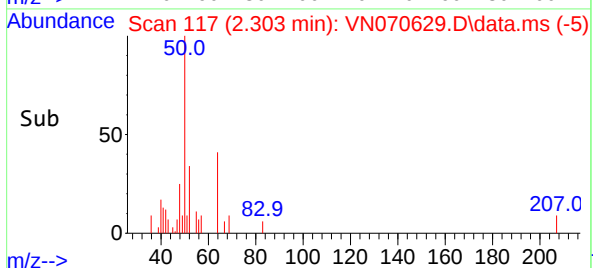
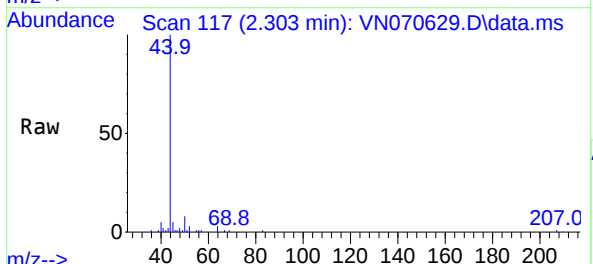
Manual Integrations
APPROVED

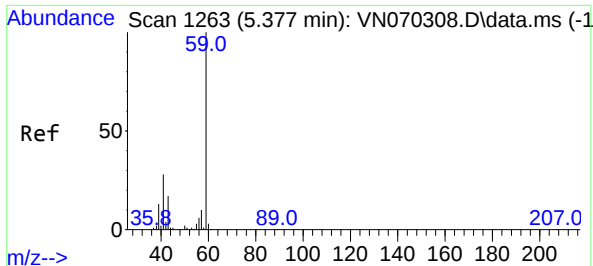
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#3
Chloromethane
Concen: 0.298 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

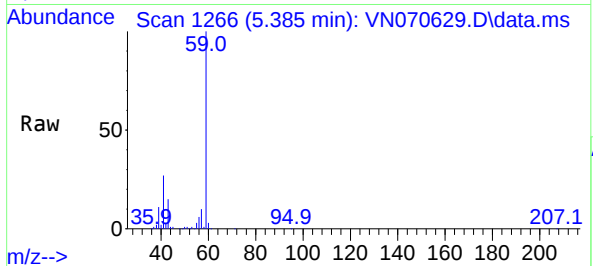
Tgt Ion: 50 Resp: 3943
Ion Ratio Lower Upper
50 100
52 34.1 25.4 38.0





#11
Tert butyl alcohol
Concen: 561.103 ug/l
RT: 5.385 min Scan# 1152824
Delta R.T. 0.008 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

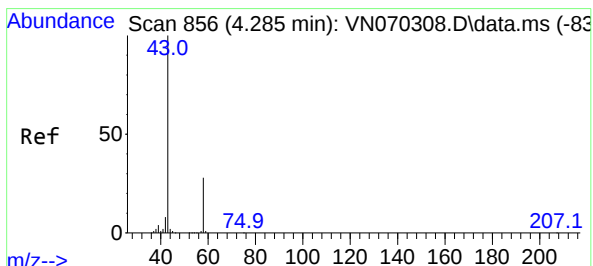
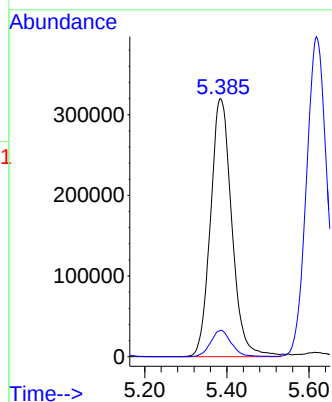
Instrument :
MSVOA_N
ClientSampleId :
MW-29R



Tgt Ion: 59 Resp: 1152824
Ion Ratio Lower Upper
59 100
57 9.9 8.7 13.1

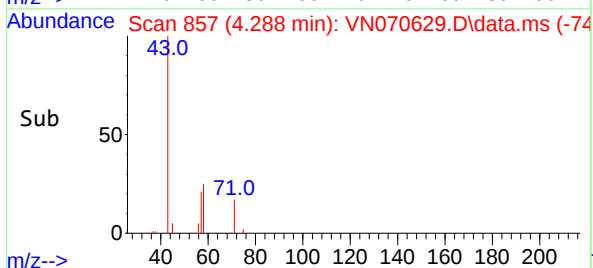
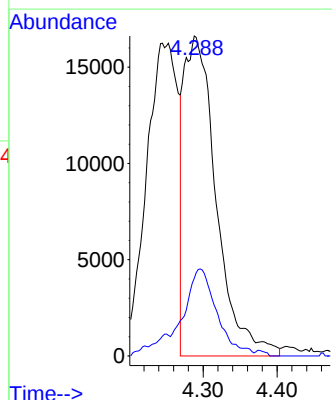
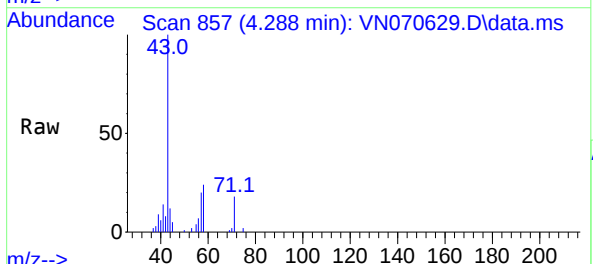
Manual Integrations
APPROVED

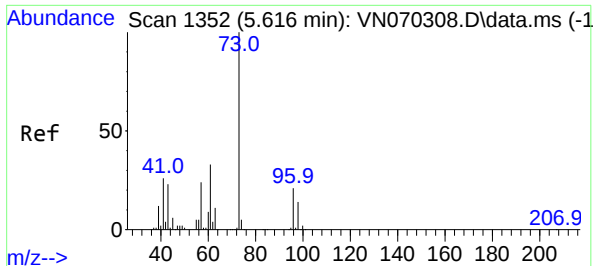
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#16
Acetone
Concen: 6.331 ug/l m
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

Tgt Ion: 43 Resp: 50710
Ion Ratio Lower Upper
43 100
58 24.3 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 154.094 ug/l

RT: 5.621 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN070629.D

Acq: 14 Jan 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

MW-29R

Tgt Ion: 73 Resp: 5001769

Ion Ratio Lower Upper

73 100

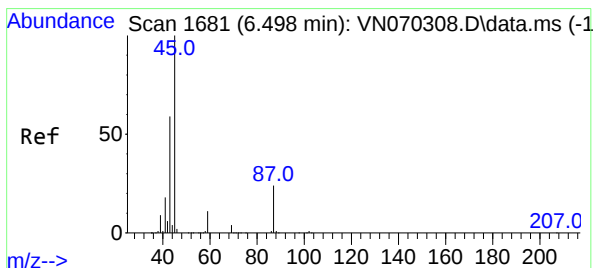
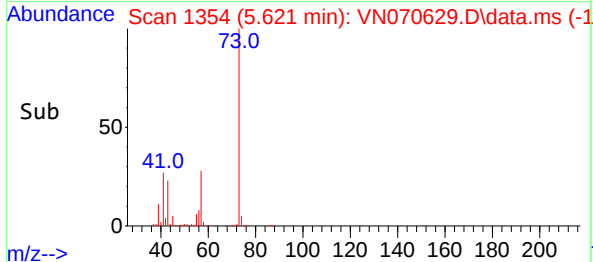
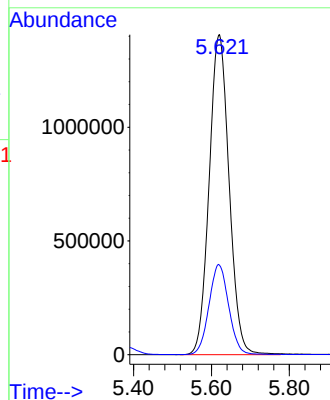
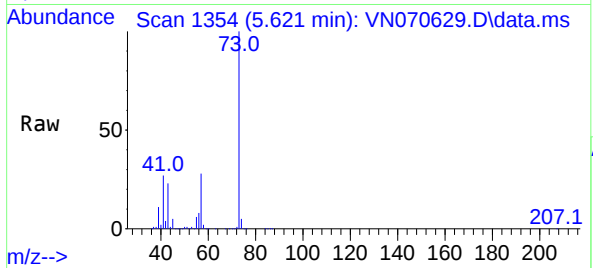
57 27.9 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/18/2022



#22

Diisopropyl ether

Concen: 6.029 ug/l

RT: 6.501 min Scan# 1682

Delta R.T. 0.003 min

Lab File: VN070629.D

Acq: 14 Jan 2022 17:46

Tgt Ion: 45 Resp: 232718

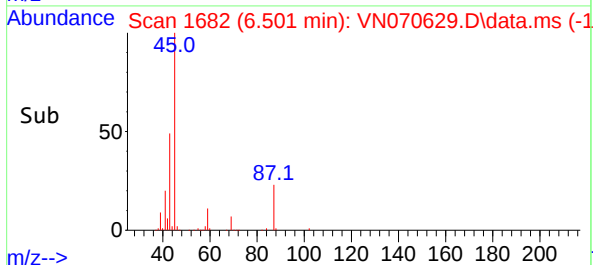
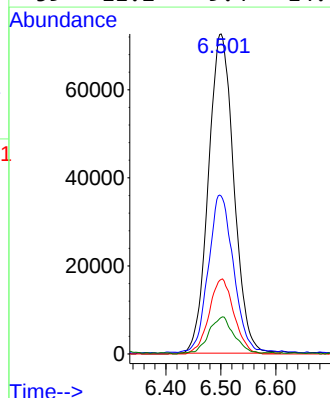
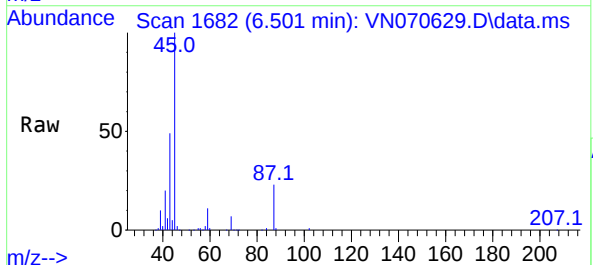
Ion Ratio Lower Upper

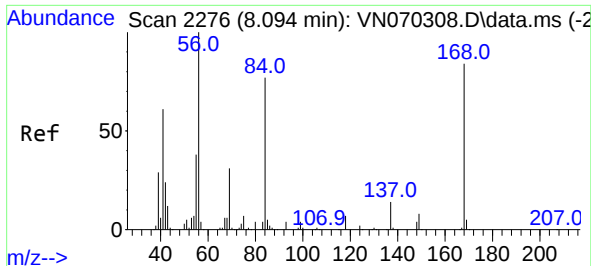
45 100

43 48.9 51.7 77.5

87 23.4 23.2 34.8

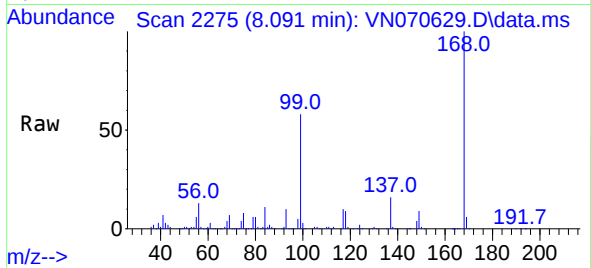
59 11.2 9.4 14.0





#31
Cyclohexane
Concen: 6.110 ug/l
RT: 8.091 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

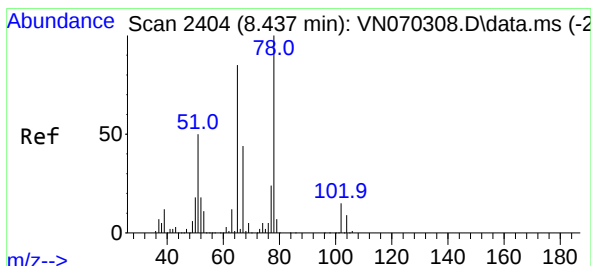
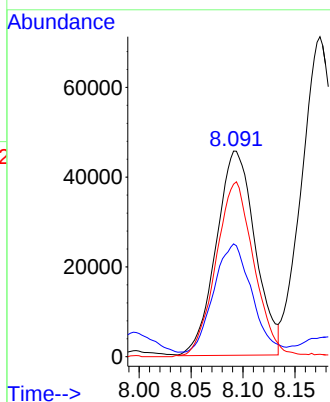
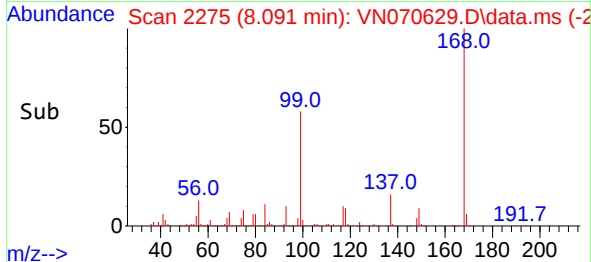
Instrument :
MSVOA_N
ClientSampleId :
MW-29R



Tgt Ion: 56 Resp: 11897
Ion Ratio Lower Upper
56 100
69 53.1 27.1 40.7
84 84.0 73.4 110.0

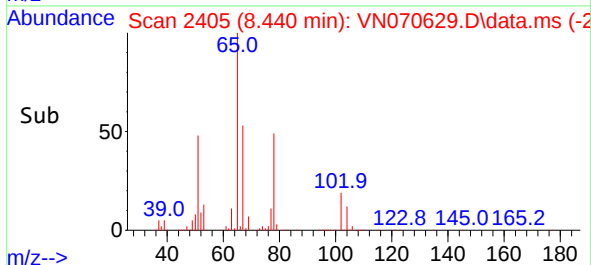
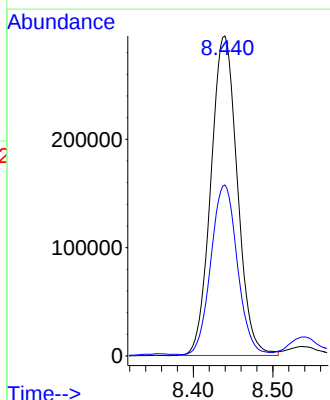
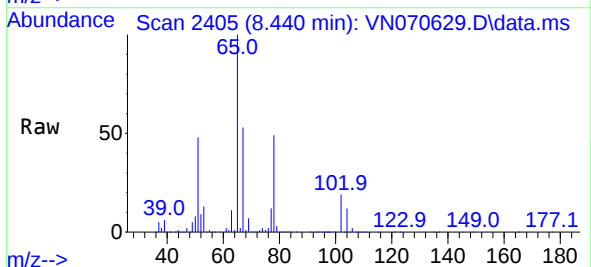
Manual Integrations
APPROVED

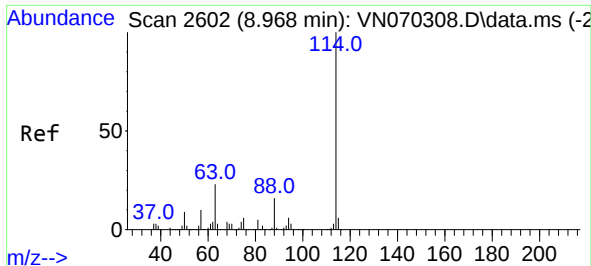
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#33
1,2-Dichloroethane-d4
Concen: 55.371 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

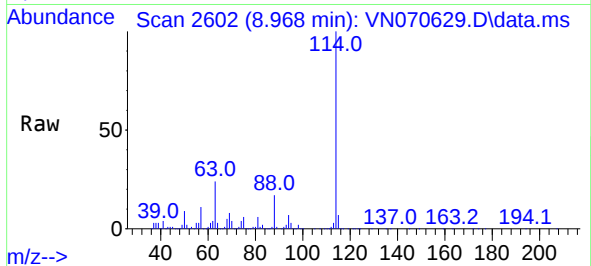
Tgt Ion: 65 Resp: 683246
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

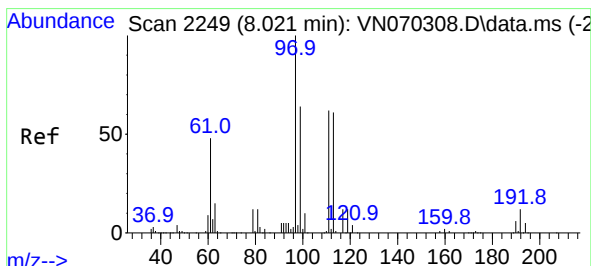
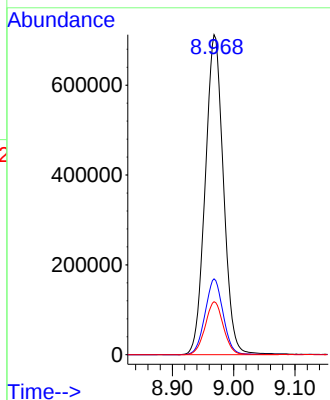
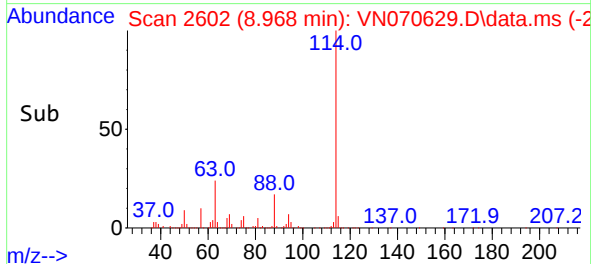
Instrument :
MSVOA_N
ClientSampleId :
MW-29R



Tgt Ion:114 Resp: 1469299
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.5 0.0 27.4

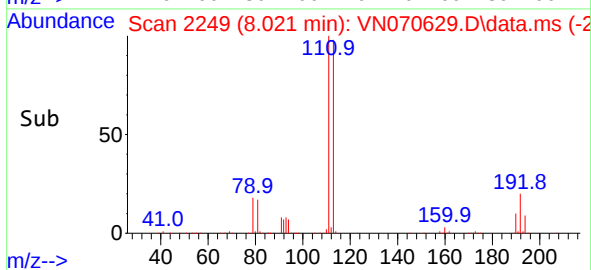
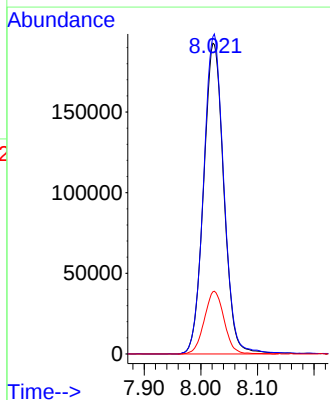
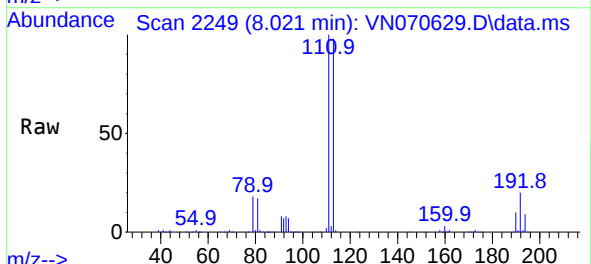
Manual Integrations
APPROVED

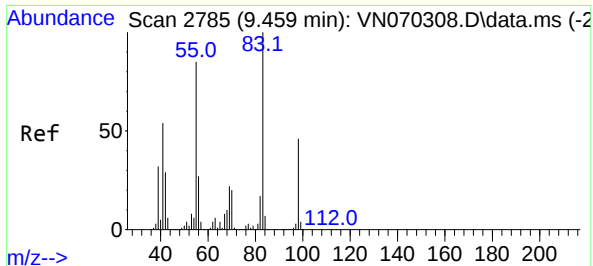
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#35
Dibromofluoromethane
Concen: 53.574 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

Tgt Ion:113 Resp: 476271
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.8 16.9 25.3





#39

Methylcyclohexane

Concen: 3.906 ug/l

RT: 9.456 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070629.D

Acq: 14 Jan 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

MW-29R

Tgt Ion: 83 Resp: 69549

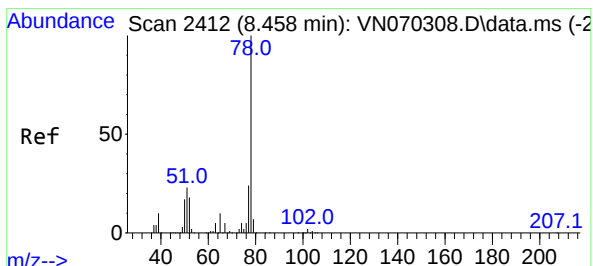
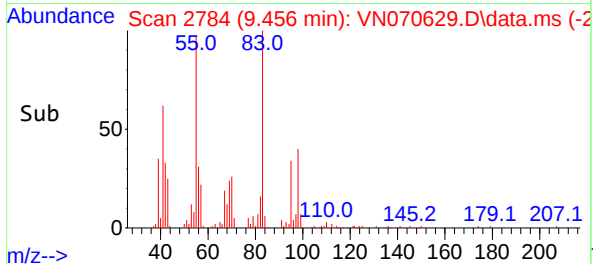
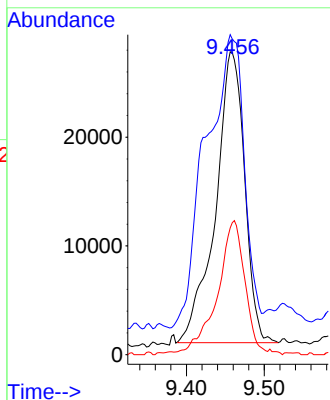
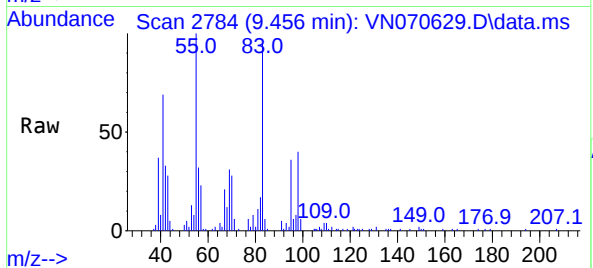
Ion	Ratio	Lower	Upper
83	100		
55	97.6	58.1	87.1
98	42.6	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/18/2022



#40

Benzene

Concen: 19.521 ug/l

RT: 8.461 min Scan# 2413

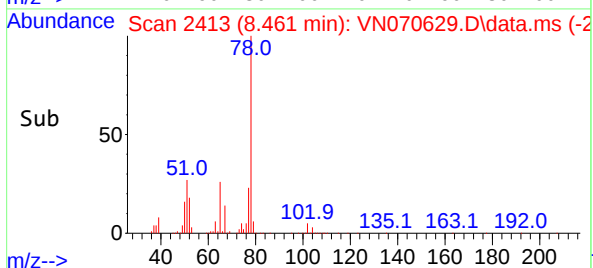
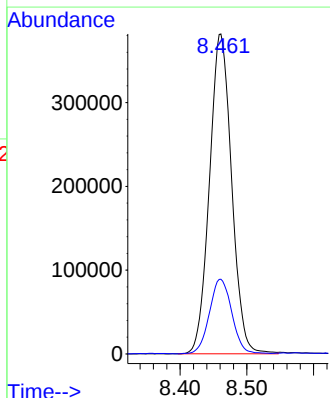
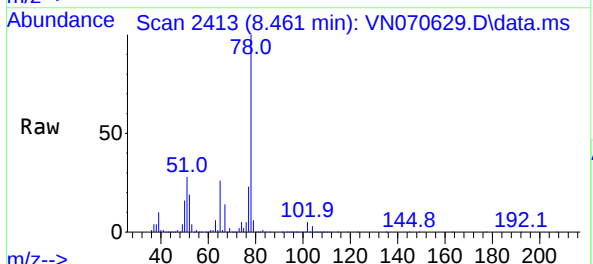
Delta R.T. 0.003 min

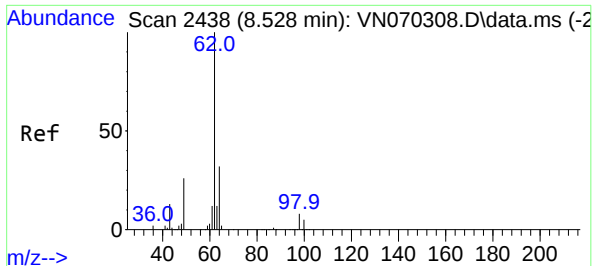
Lab File: VN070629.D

Acq: 14 Jan 2022 17:46

Tgt Ion: 78 Resp: 880136

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	27.8





#42

1,2-Dichloroethane

Concen: 5.799 ug/l

RT: 8.531 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VN070629.D

Acq: 14 Jan 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

MW-29R

Tgt Ion: 62 Resp: 98268

Ion Ratio Lower Upper

62 100

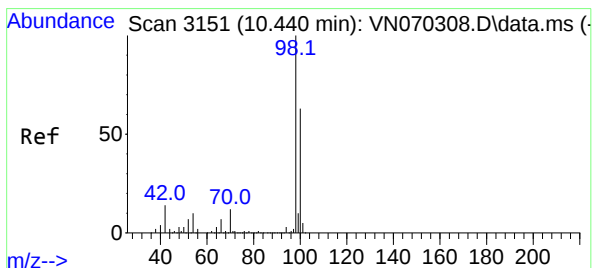
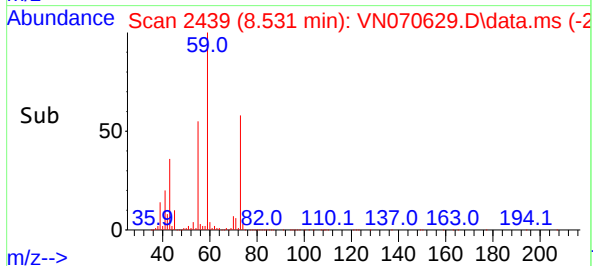
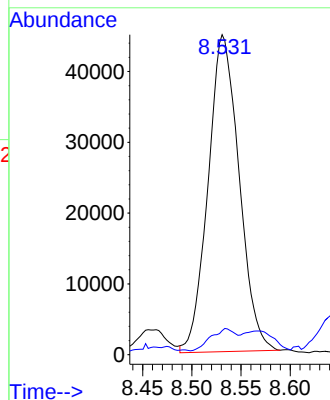
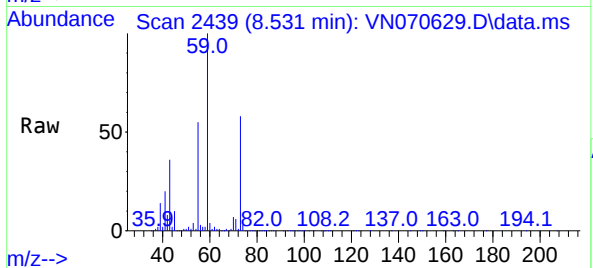
98 5.6 0.0 17.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/18/2022



#50

Toluene-d8

Concen: 54.927 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VN070629.D

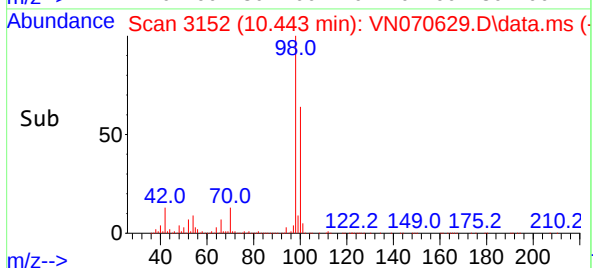
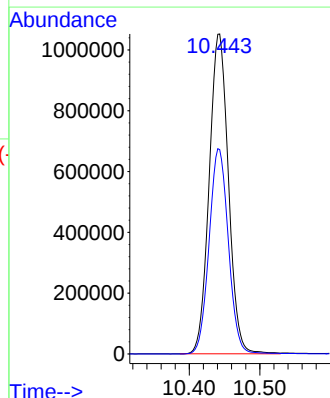
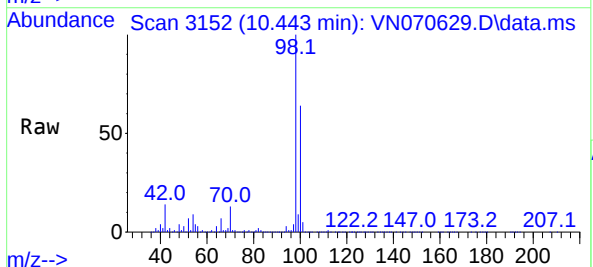
Acq: 14 Jan 2022 17:46

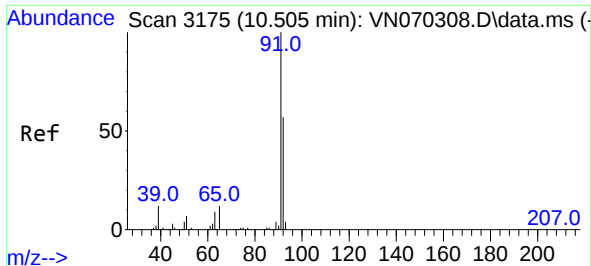
Tgt Ion: 98 Resp: 1994758

Ion Ratio Lower Upper

98 100

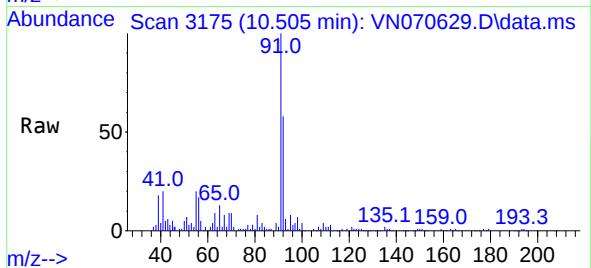
100 64.5 50.4 75.6





#52
Toluene
Concen: 3.065 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

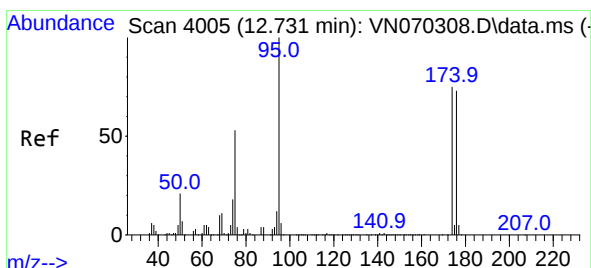
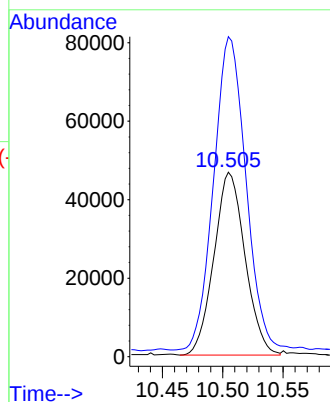
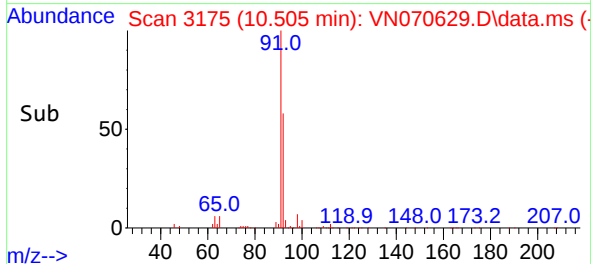
Instrument :
MSVOA_N
ClientSampleId :
MW-29R



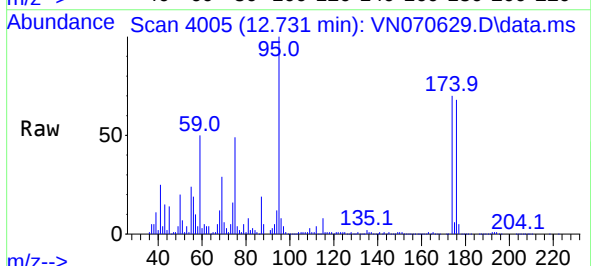
Tgt Ion: 92 Resp: 8365
Ion Ratio Lower Upper
92 100
91 177.0 142.0 213.0

Manual Integrations
APPROVED

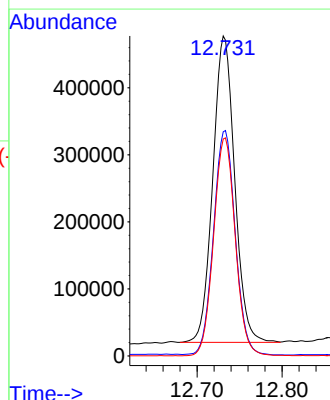
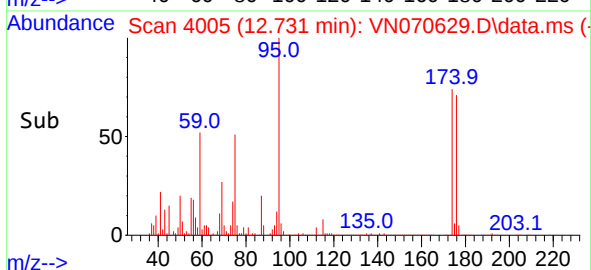
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

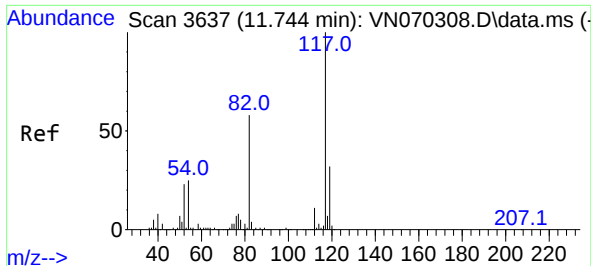


#62
4-Bromofluorobenzene
Concen: 62.197 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46



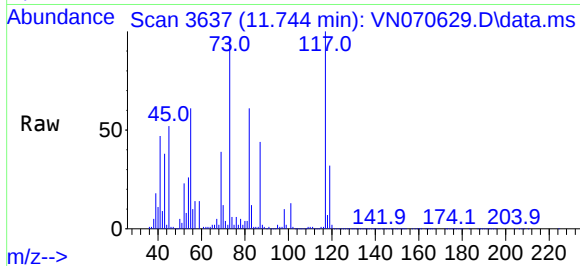
Tgt Ion: 95 Resp: 815820
Ion Ratio Lower Upper
95 100
174 73.0 0.0 187.2
176 70.5 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

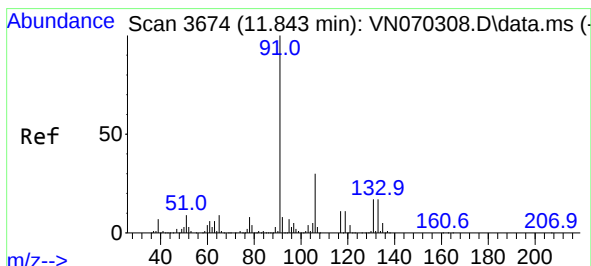
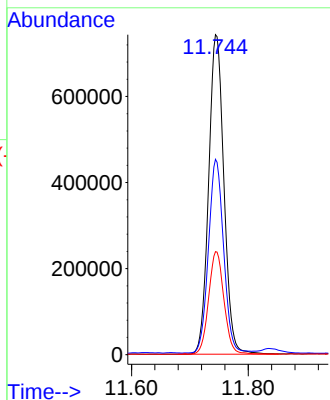
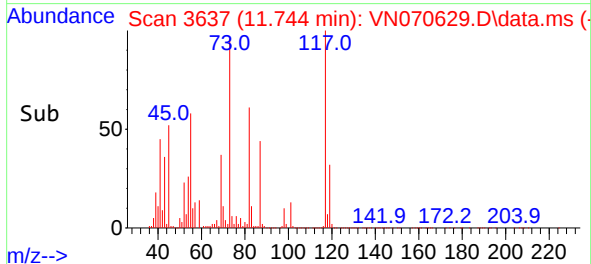
Instrument :
MSVOA_N
ClientSampleId :
MW-29R



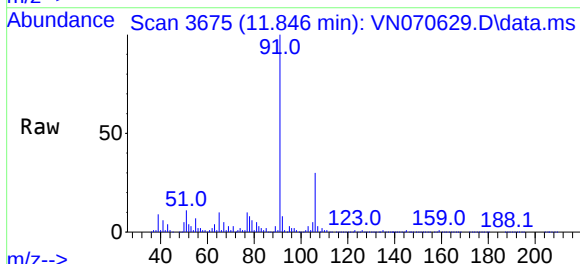
Tgt Ion: 117 Resp: 1351510
Ion Ratio Lower Upper
117 100
82 60.6 42.4 63.6
119 32.1 25.4 38.2

Manual Integrations
APPROVED

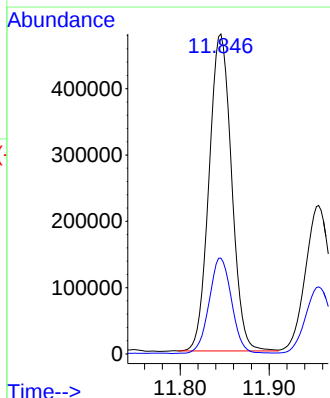
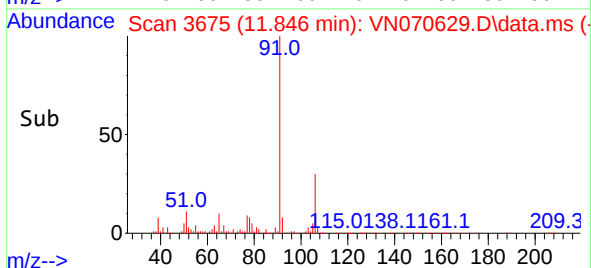
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

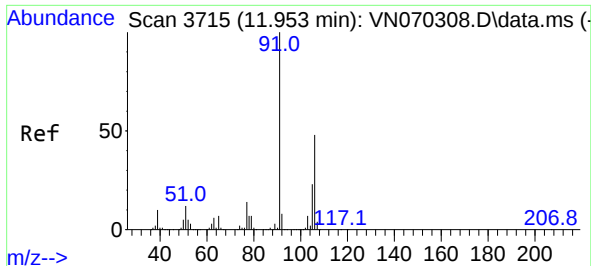


#67
Ethyl Benzene
Concen: 15.979 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46



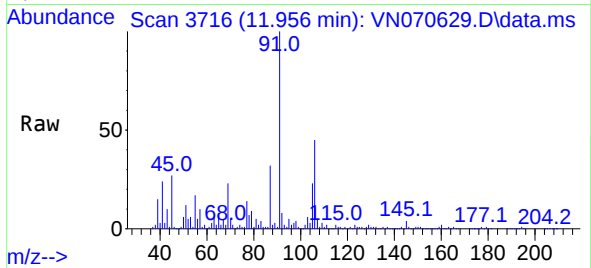
Tgt Ion: 91 Resp: 839549
Ion Ratio Lower Upper
91 100
106 30.0 25.7 38.5





#68
m/p-Xylenes
Concen: 10.335 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

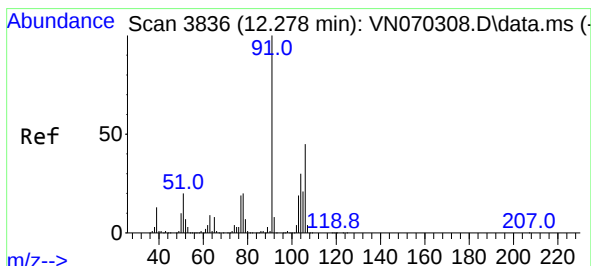
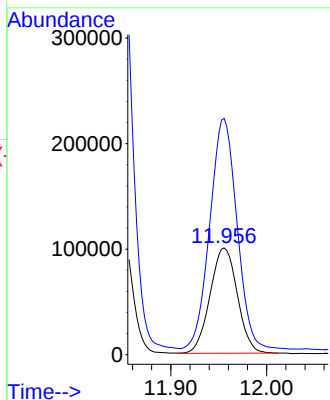
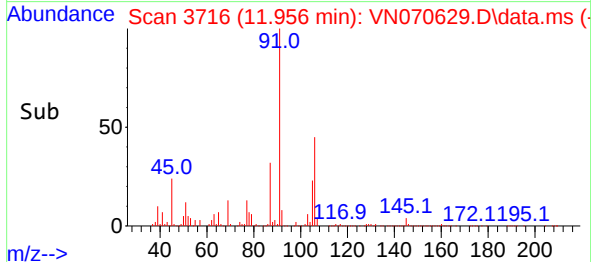
Instrument :
MSVOA_N
ClientSampleId :
MW-29R



Tgt Ion:106 Resp: 197669
Ion Ratio Lower Upper
106 100
91 217.7 160.6 240.8

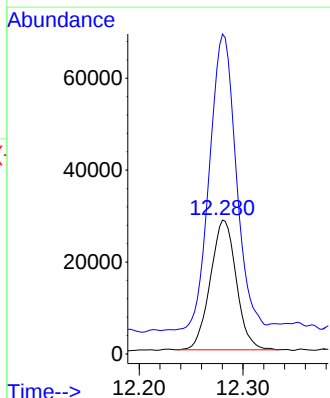
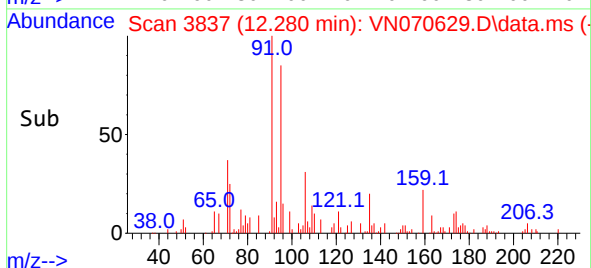
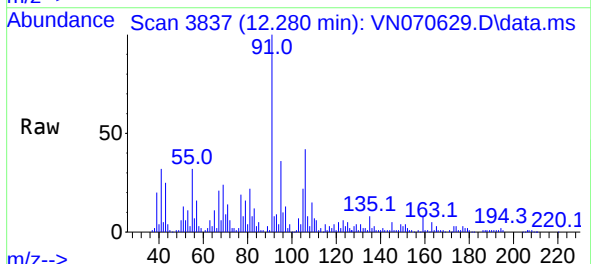
Manual Integrations
APPROVED

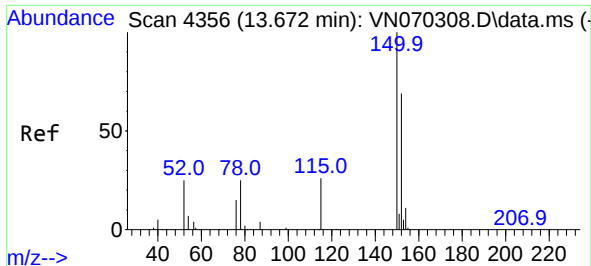
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#69
o-Xylene
Concen: 2.571 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

Tgt Ion:106 Resp: 48915
Ion Ratio Lower Upper
106 100
91 234.9 105.8 317.3





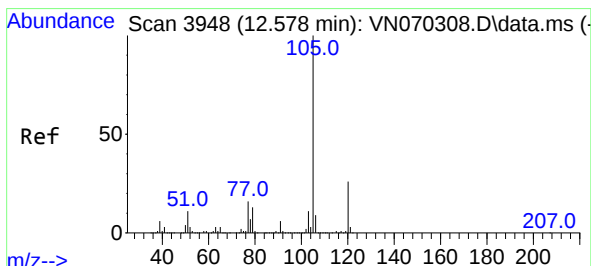
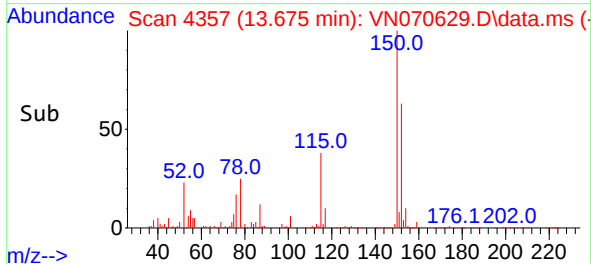
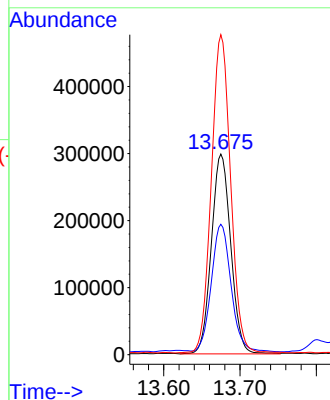
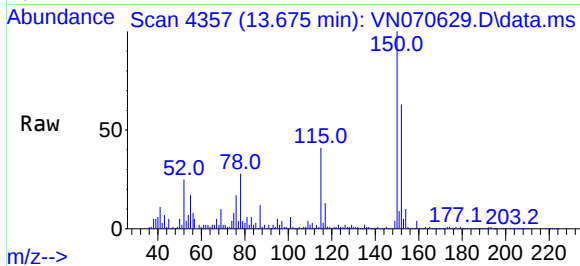
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4356
Delta R.T. 0.003 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :
MW-29R

Tgt Ion:152 Resp: 52531
Ion Ratio Lower Upper
152 100
115 65.1 27.5 82.5
150 158.8 0.0 344.4

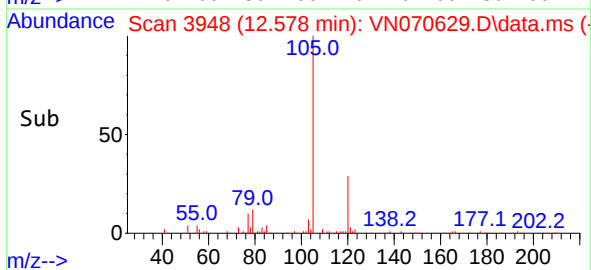
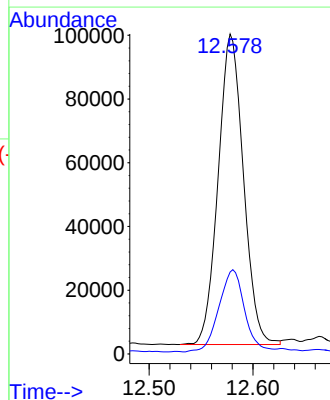
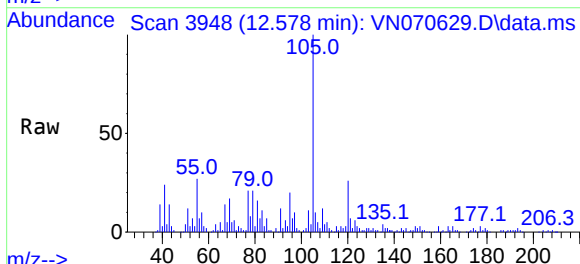
Manual Integrations
APPROVED

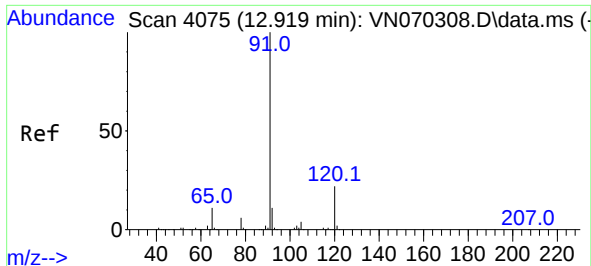
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#73
Isopropylbenzene
Concen: 3.374 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

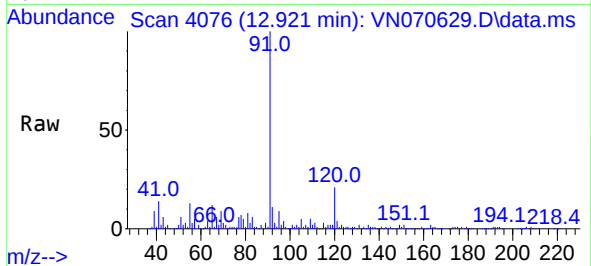
Tgt Ion:105 Resp: 164617
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1





#78
n-propylbenzene
Concen: 7.075 ug/l
RT: 12.921 min Scan# 4075
Delta R.T. 0.002 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

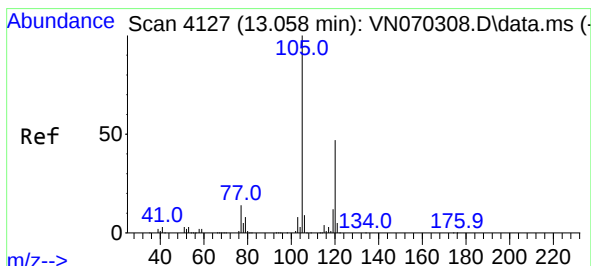
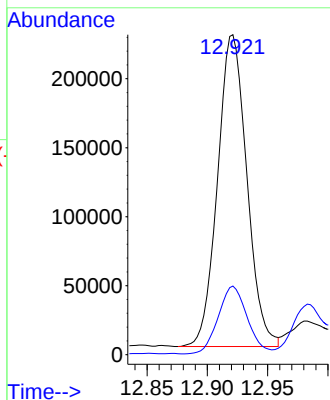
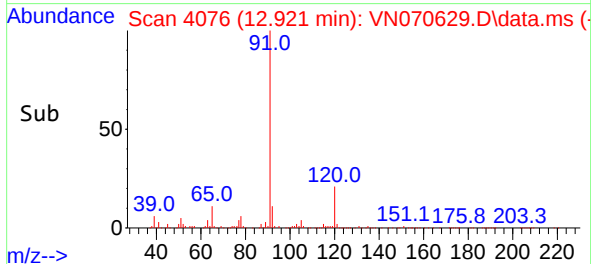
Instrument :
MSVOA_N
ClientSampleId :
MW-29R



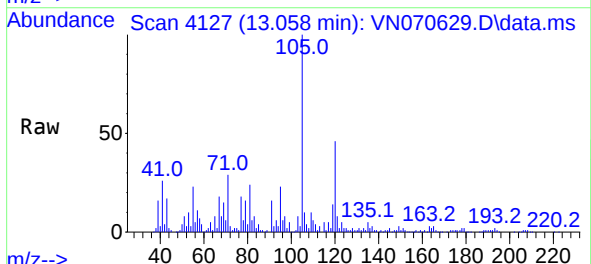
Tgt Ion: 91 Resp: 382394
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9

Manual Integrations
APPROVED

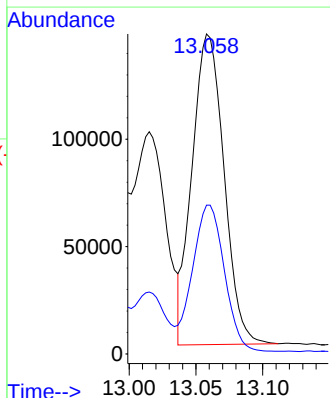
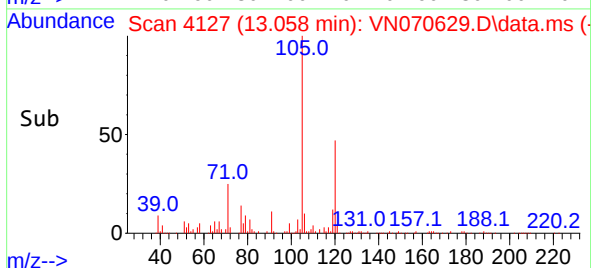
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

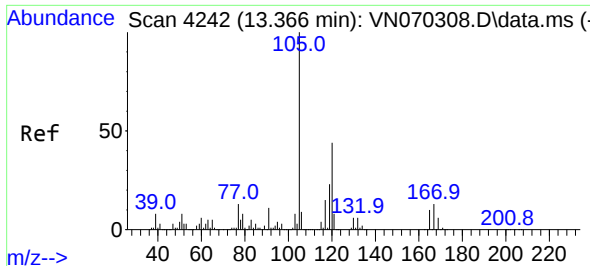


#80
1,3,5-Trimethylbenzene
Concen: 6.141 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46



Tgt Ion:105 Resp: 240076
Ion Ratio Lower Upper
105 100
120 47.5 24.6 73.6





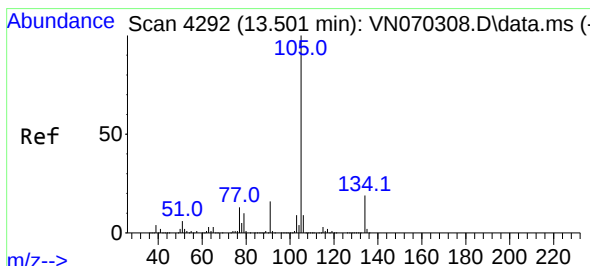
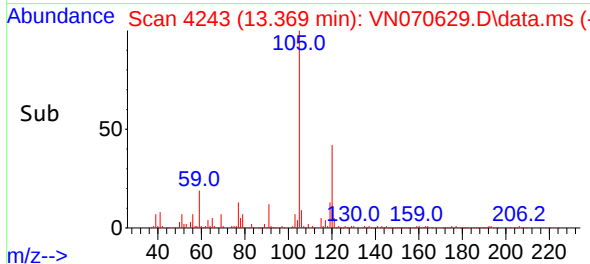
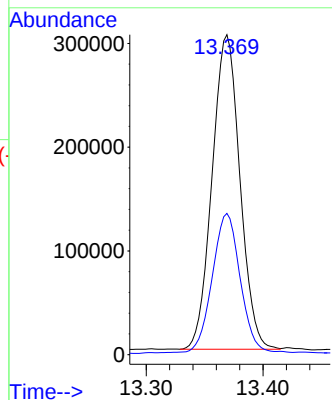
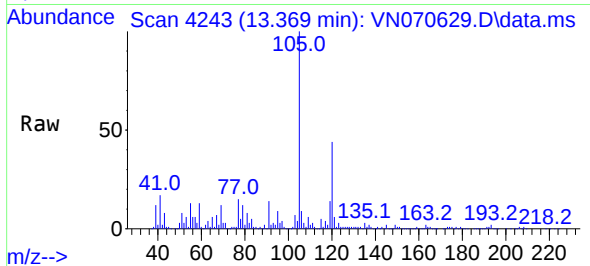
#84
1,2,4-Trimethylbenzene
Concen: 13.328 ug/l
RT: 13.369 min Scan# 4242
Delta R.T. 0.003 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :
MW-29R

Tgt Ion:105 Resp: 50171
Ion Ratio Lower Upper
105 100
120 43.9 22.8 68.4

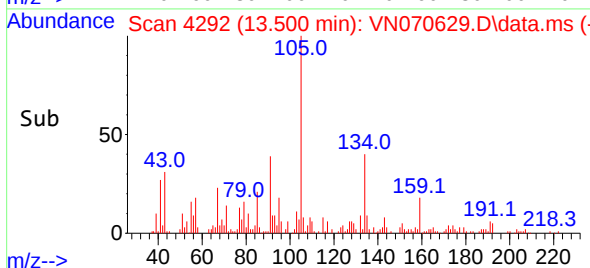
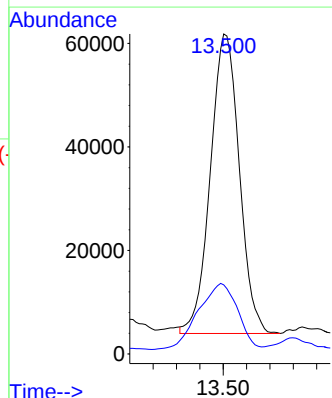
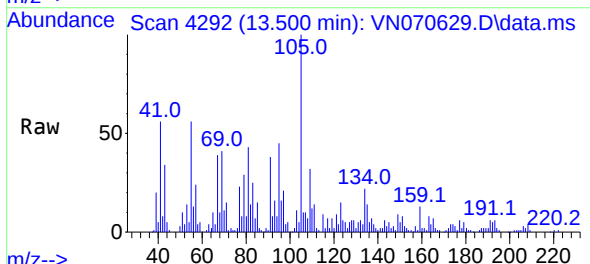
Manual Integrations
APPROVED

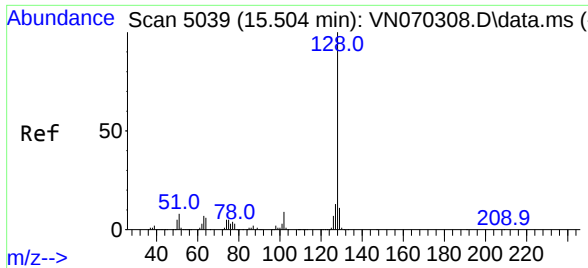
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#85
sec-Butylbenzene
Concen: 2.131 ug/l
RT: 13.500 min Scan# 4292
Delta R.T. -0.001 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

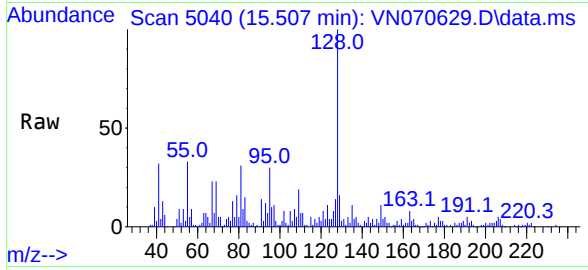
Tgt Ion:105 Resp: 99601
Ion Ratio Lower Upper
105 100
134 30.2 10.4 31.1





#95
Naphthalene
Concen: 7.059 ug/l
RT: 15.507 min Scan# 50
Delta R.T. 0.003 min
Lab File: VN070629.D
Acq: 14 Jan 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :
MW-29R



Tgt Ion:128 Resp: 130645

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.8	8.7	13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

