

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077076.D
 Acq On : 20 Mar 2023 18:18
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Manual Integrations
 APPROVED

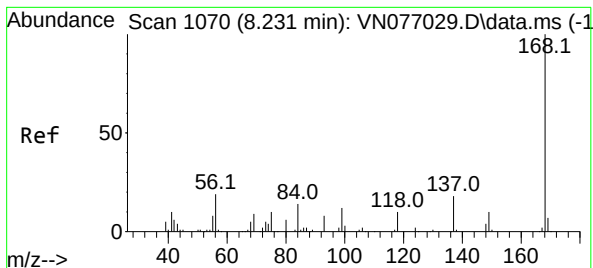
Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 05:40:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

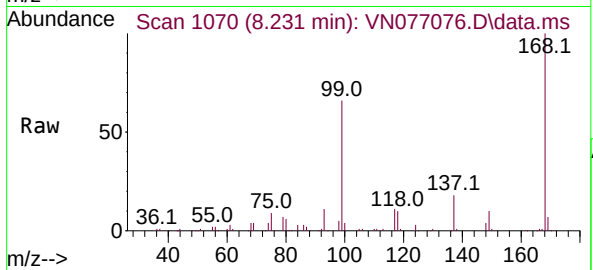
Internal Standards						
1) Pentafluorobenzene	8.231	168	363638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	650578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	545968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	190978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	269897	46.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.940%		
35) Dibromofluoromethane	8.172	113	205463	45.096	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.200%		
50) Toluene-d8	10.572	98	774339	47.579	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.160%		
62) 4-Bromofluorobenzene	12.854	95	239550	41.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.300%		
Target Compounds					Qvalue	
44) Trichloroethene	9.360	130	1103	0.223	ug/l	79
68) m/p-Xylenes	12.083	106	2341	0.277	ug/l	100
77) Bromobenzene	12.977	156	1344	0.351	ug/l	79
78) n-propylbenzene	13.042	91	4905	0.248	ug/l	93
79) 2-Chlorotoluene	13.124	91	3376	0.268	ug/l	91
82) 4-Chlorotoluene	13.219	91	4636	0.387	ug/l	92
87) 1,3-Dichlorobenzene	13.742	146	3186	0.440	ug/l	91
88) 1,4-Dichlorobenzene	13.813	146	4415m	0.612	ug/l	
89) n-Butylbenzene	14.060	91	4422	0.368	ug/l	90
91) 1,2-Dichlorobenzene	14.107	146	3027	0.419	ug/l	90
93) 1,2,4-Trichlorobenzene	15.401	180	3925	1.202	ug/l	96
95) Naphthalene	15.648	128	16155	3.136	ug/l	97
96) 1,2,3-Trichlorobenzene	15.848	180	4684	1.430	ug/l	98

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

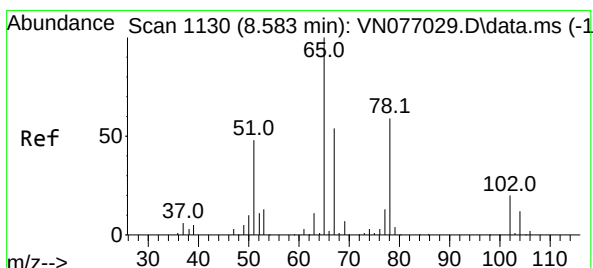
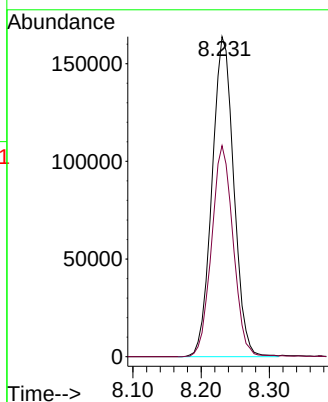
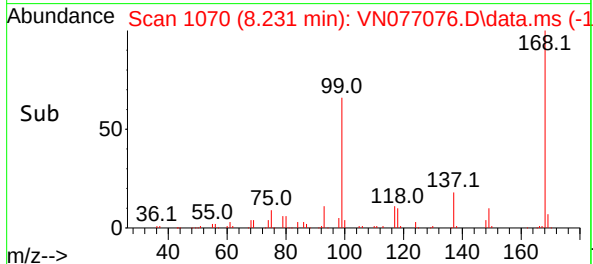
Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:168 Resp: 363638
Ion Ratio Lower Upper
168 100
99 66.0 53.9 80.9

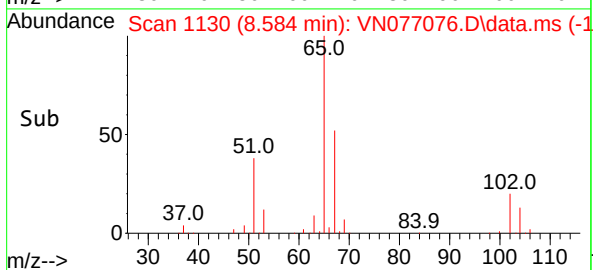
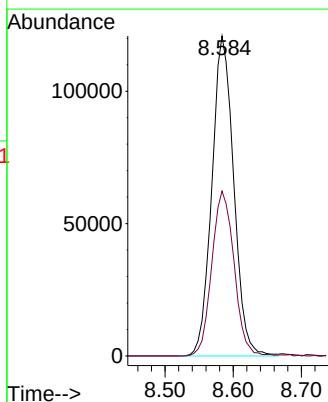
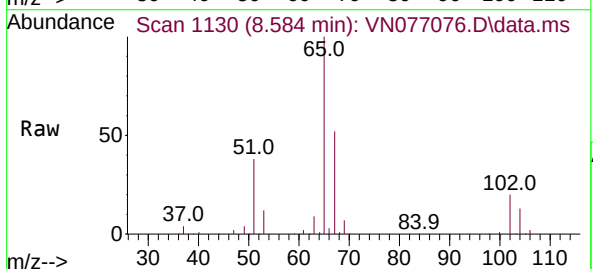
Manual Integrations
APPROVED

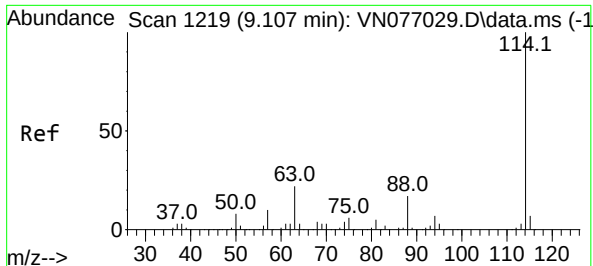
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#33
1,2-Dichloroethane-d4
Concen: 46.466 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

Tgt Ion: 65 Resp: 269897
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077076.D

Acq: 20 Mar 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:114 Resp: 650578

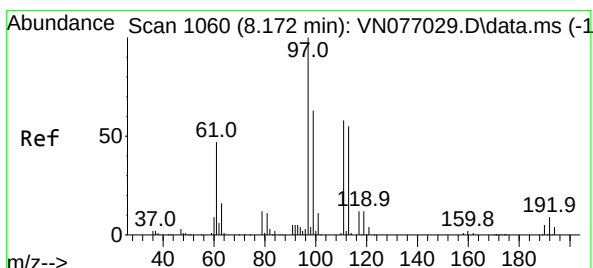
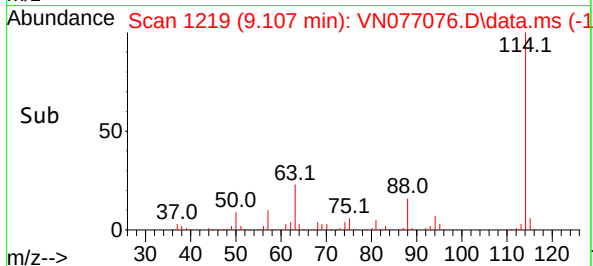
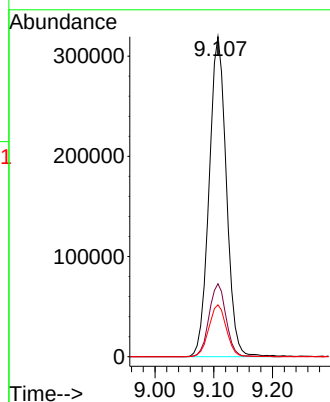
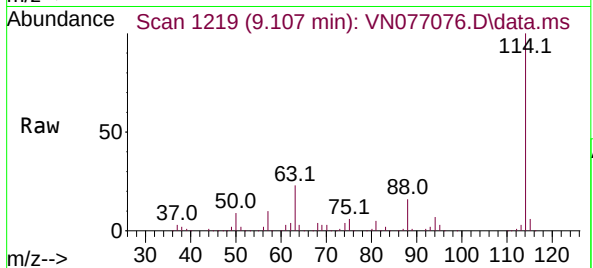
Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.6
88	16.2	0.0	33.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2023

Supervised By :Mahesh Dadoda 03/21/2023



#35

Dibromofluoromethane

Concen: 45.096 ug/l

RT: 8.172 min Scan# 1060

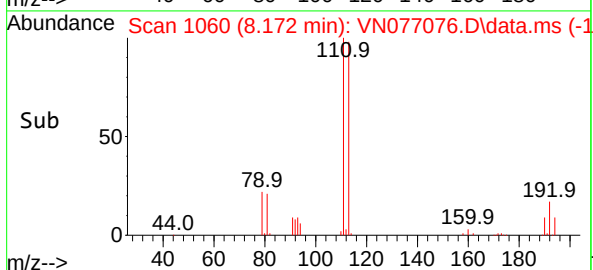
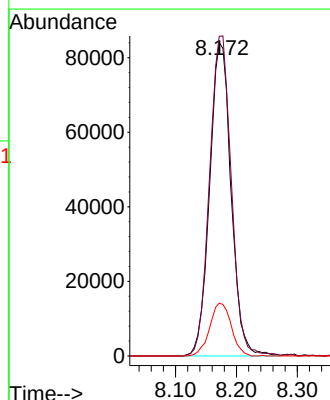
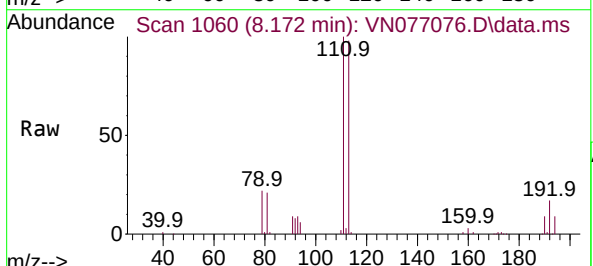
Delta R.T. 0.000 min

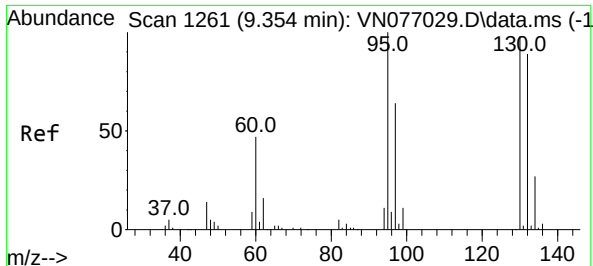
Lab File: VN077076.D

Acq: 20 Mar 2023 18:18

Tgt Ion:113 Resp: 205463

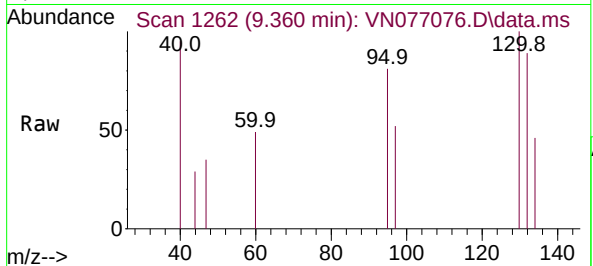
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	17.0	13.0	19.6





#44
Trichloroethene
Concen: 0.223 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

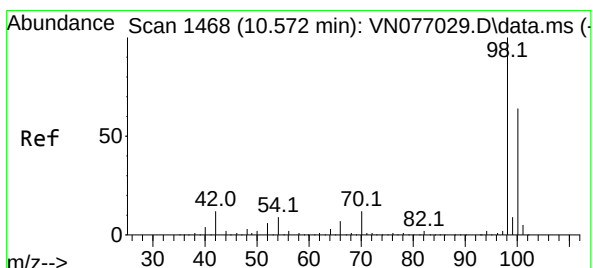
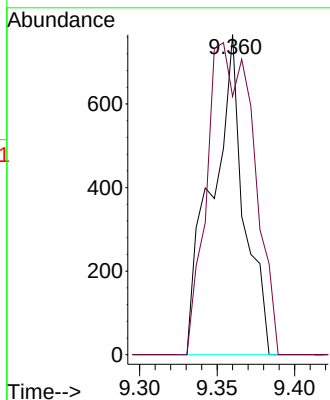
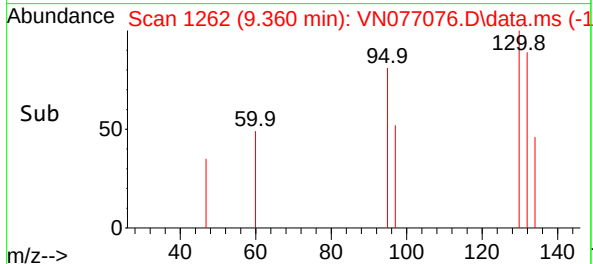
Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:130 Resp: 110
Ion Ratio Lower Upper
130 100
95 80.7 0.0 204.4

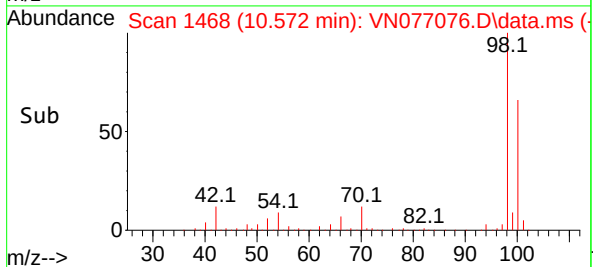
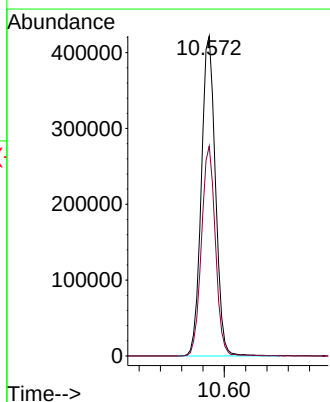
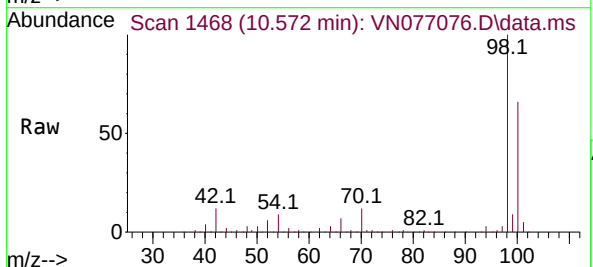
Manual Integrations
APPROVED

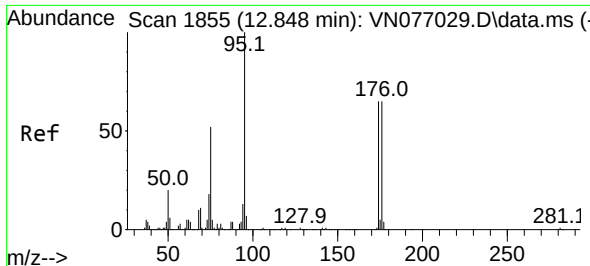
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#50
Toluene-d8
Concen: 47.579 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

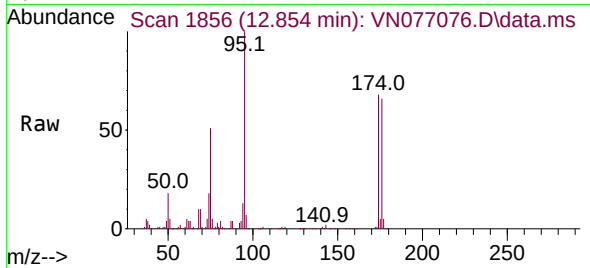
Tgt Ion: 98 Resp: 774339
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4





#62
4-Bromofluorobenzene
Concen: 41.654 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

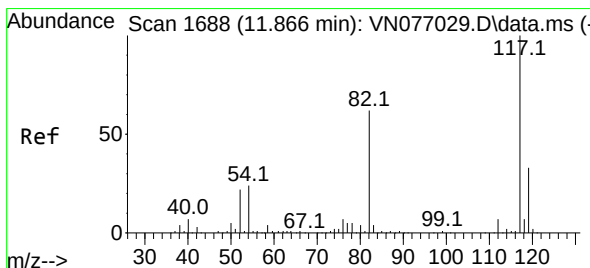
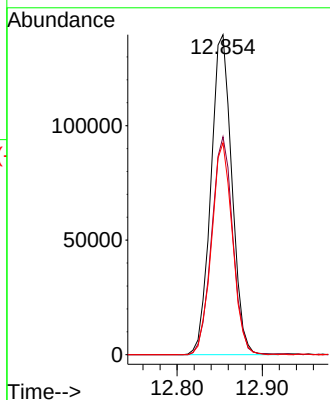
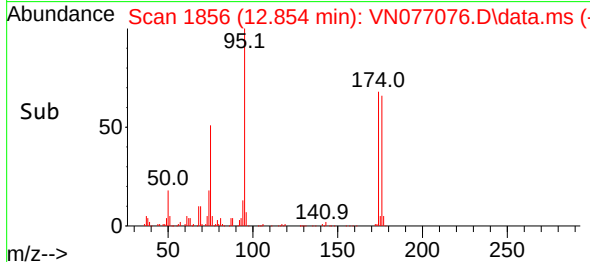
Instrument :
MSVOA_N
ClientSampleId :
IBLK



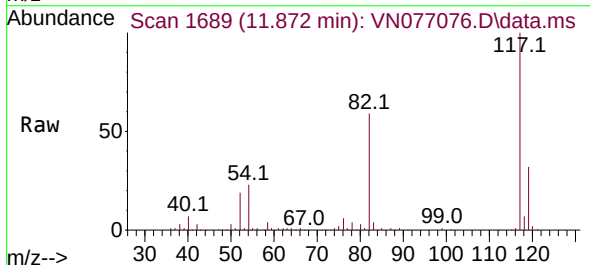
Tgt Ion: 95 Resp: 239550
Ion Ratio Lower Upper
95 100
174 68.7 0.0 136.6
176 66.0 0.0 130.0

Manual Integrations
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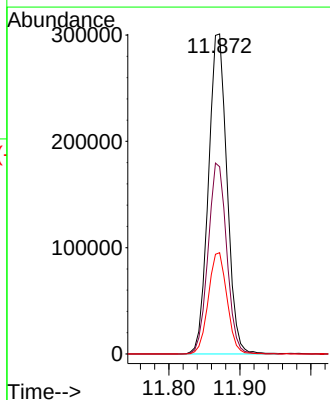
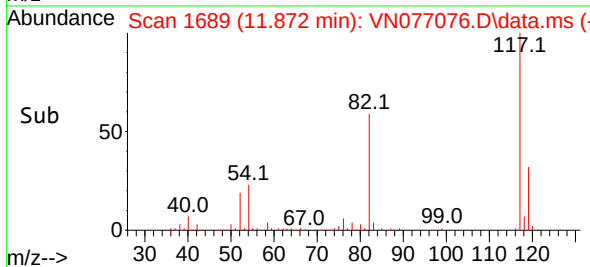
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

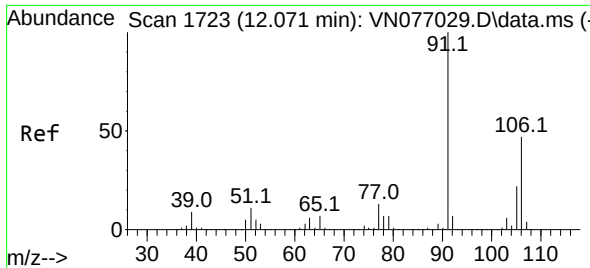


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18



Tgt Ion:117 Resp: 545968
Ion Ratio Lower Upper
117 100
82 58.5 49.4 74.0
119 31.7 26.5 39.7





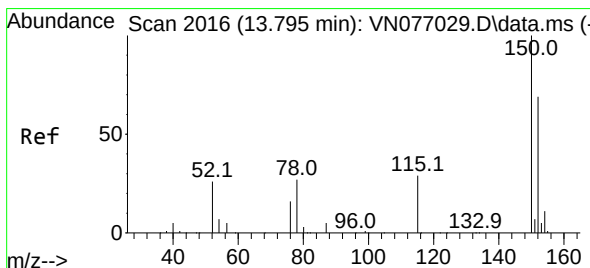
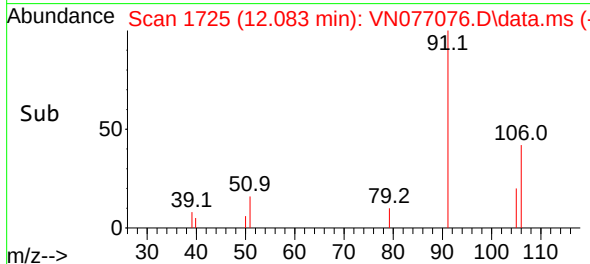
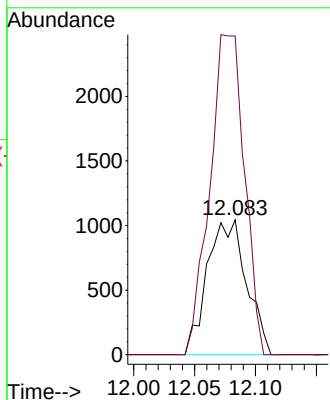
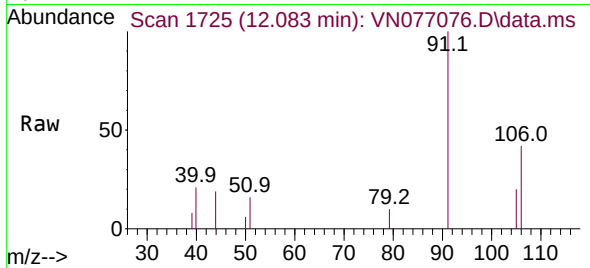
#68
m/p-Xylenes
Concen: 0.277 ug/l
RT: 12.083 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:106 Resp: 234
Ion Ratio Lower Upper
106 100
91 209.6 168.0 252.0

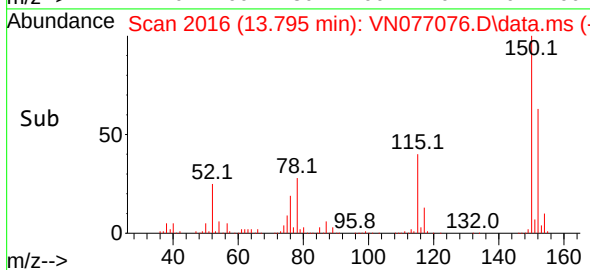
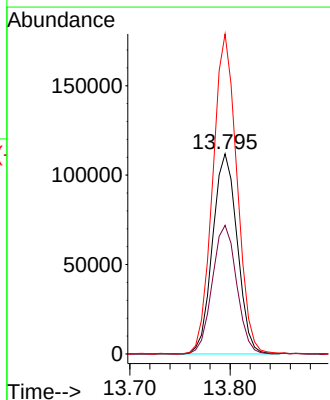
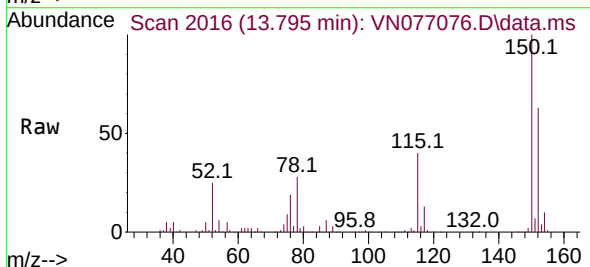
Manual Integrations
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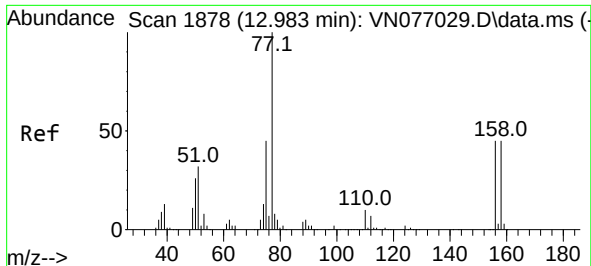
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

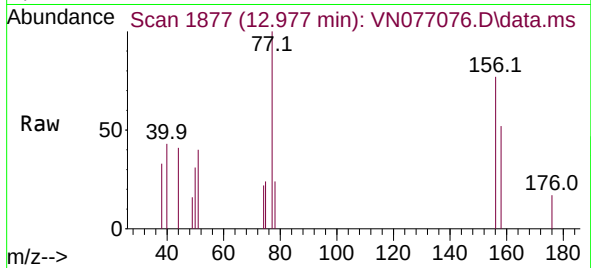
Tgt Ion:152 Resp: 190978
Ion Ratio Lower Upper
152 100
115 63.7 31.9 95.7
150 157.1 0.0 348.0





#77
Bromobenzene
Concen: 0.351 ug/l
RT: 12.977 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

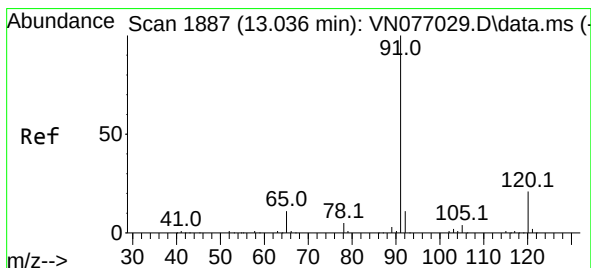
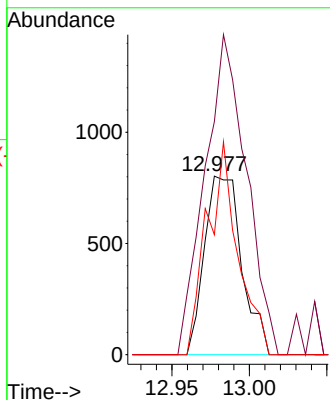
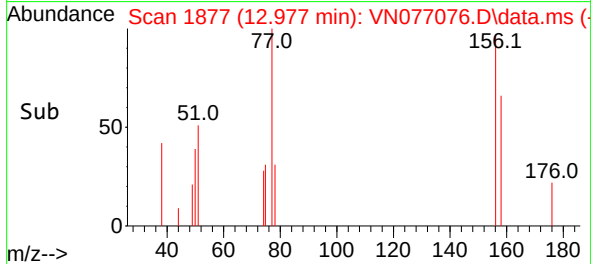
Instrument :
MSVOA_N
ClientSampleId :
IBLK



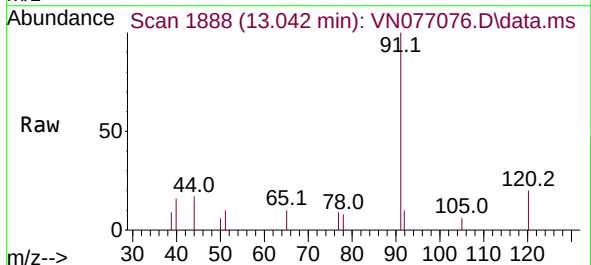
Tgt Ion:156 Resp: 1344
Ion Ratio Lower Upper
156 100
77 199.3 124.8 374.3
158 98.5 48.6 145.9

Manual Integrations
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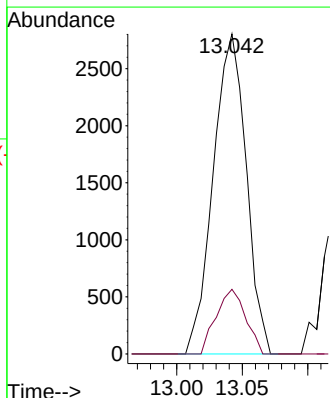
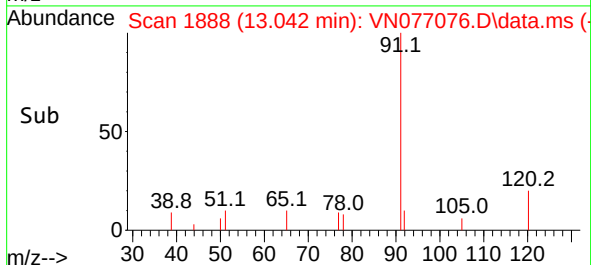
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023

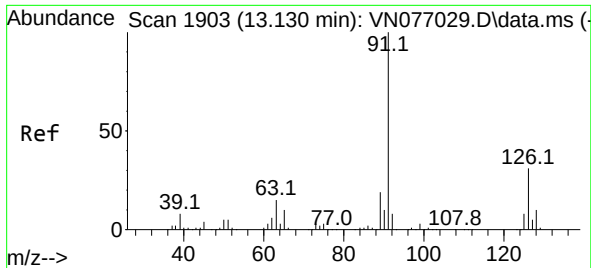


#78
n-propylbenzene
Concen: 0.248 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18



Tgt Ion: 91 Resp: 4905
Ion Ratio Lower Upper
91 100
120 18.0 10.8 32.3





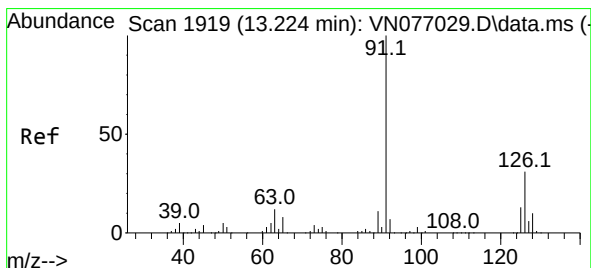
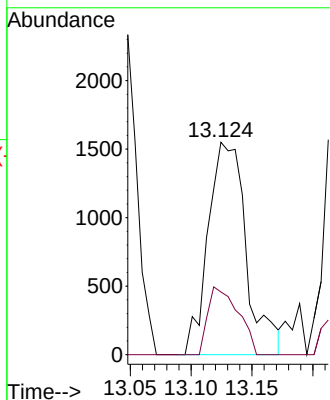
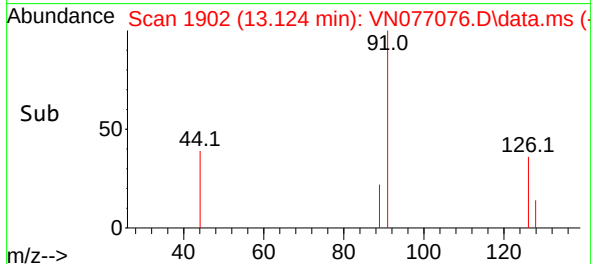
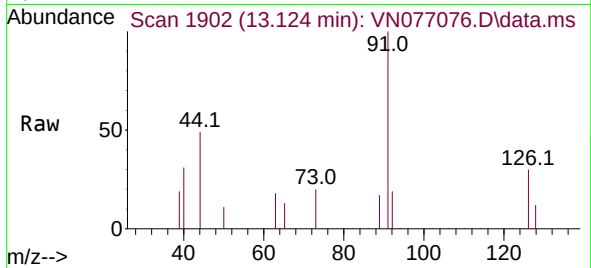
#79
2-Chlorotoluene
Concen: 0.268 ug/l
RT: 13.124 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 91 Resp: 3370
Ion Ratio Lower Upper
91 100
126 25.4 15.2 45.5

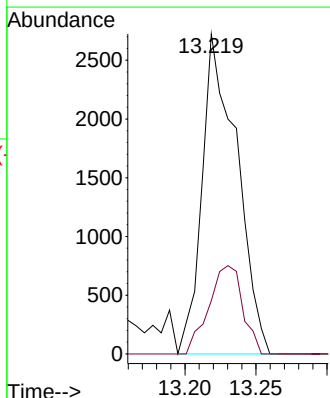
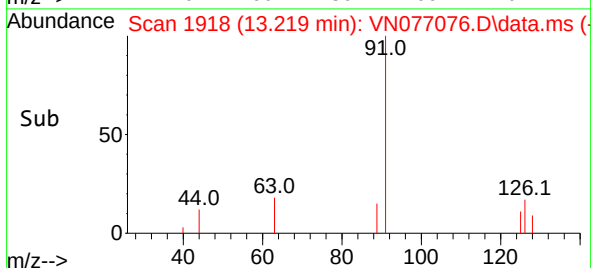
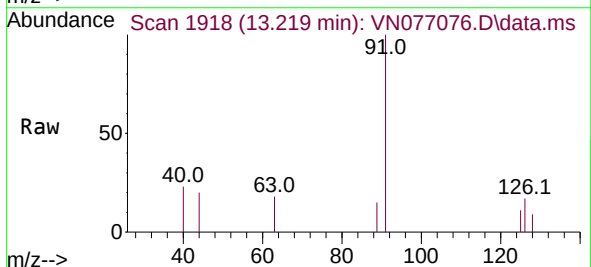
Manual Integrations
APPROVED

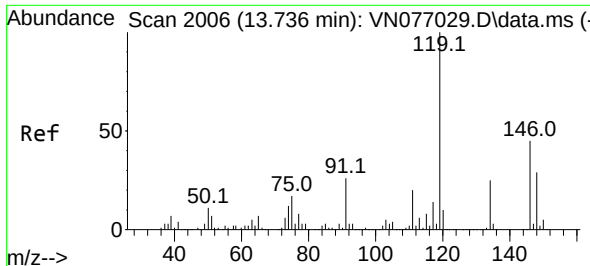
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#82
4-Chlorotoluene
Concen: 0.387 ug/l
RT: 13.219 min Scan# 1918
Delta R.T. -0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

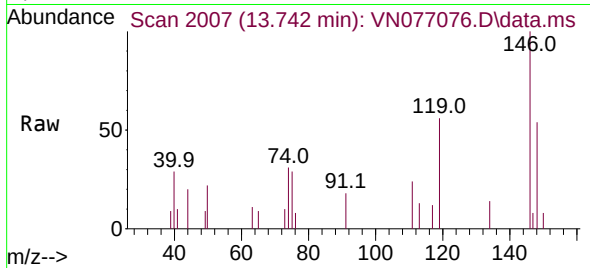
Tgt Ion: 91 Resp: 4636
Ion Ratio Lower Upper
91 100
126 26.9 15.5 46.5





#87
 1,3-Dichlorobenzene
 Concen: 0.440 ug/l
 RT: 13.742 min Scan# 2006
 Delta R.T. 0.006 min
 Lab File: VN077076.D
 Acq: 20 Mar 2023 18:18

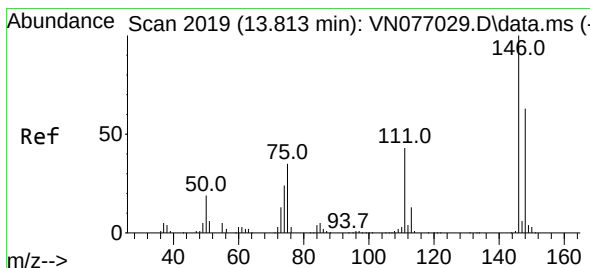
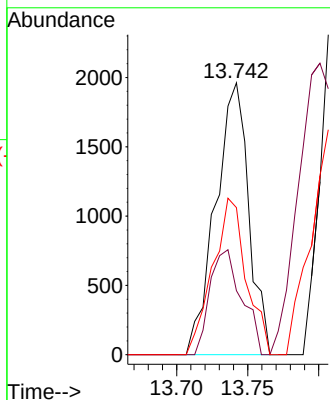
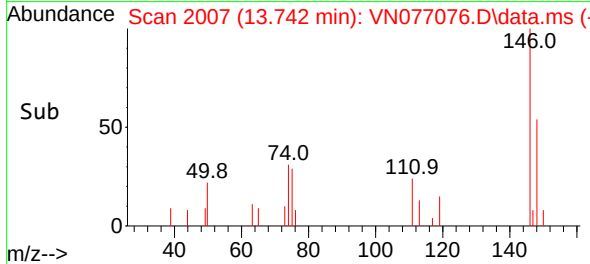
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:146 Resp: 3180
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.9 65.5
 148 58.3 32.1 96.5

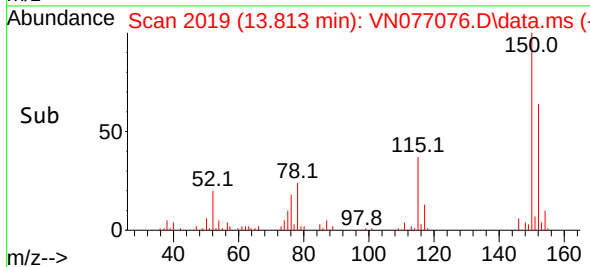
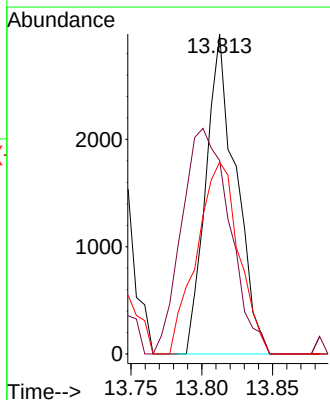
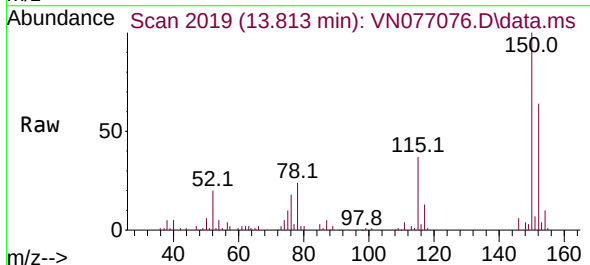
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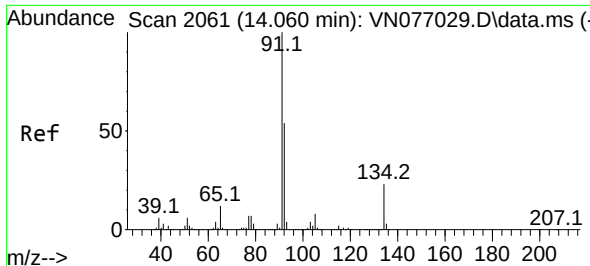
Reviewed By :John Carlone 03/21/2023
 Supervised By :Mahesh Dadoda 03/21/2023



#88
 1,4-Dichlorobenzene
 Concen: 0.612 ug/l m
 RT: 13.813 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VN077076.D
 Acq: 20 Mar 2023 18:18

Tgt Ion:146 Resp: 4415
 Ion Ratio Lower Upper
 146 100
 111 26.8 21.5 64.5
 148 42.1 31.9 95.9





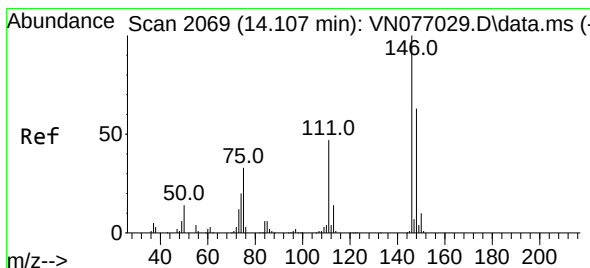
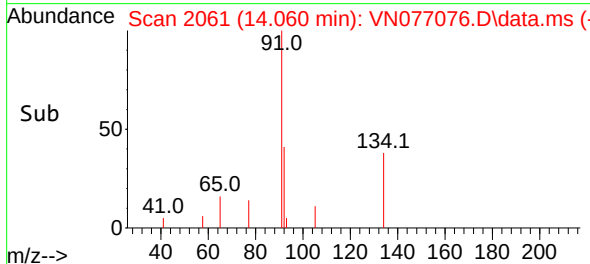
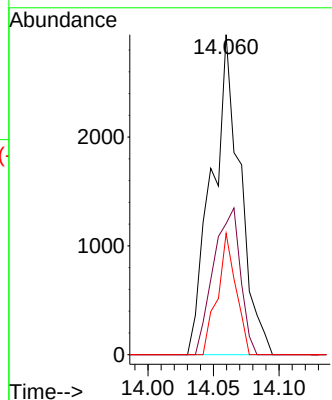
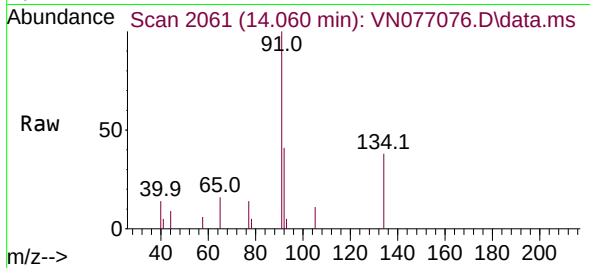
#89
n-Butylbenzene
Concen: 0.368 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 91 Resp: 442
Ion Ratio Lower Upper
91 100
92 43.5 26.5 79.5
134 24.7 11.7 35.1

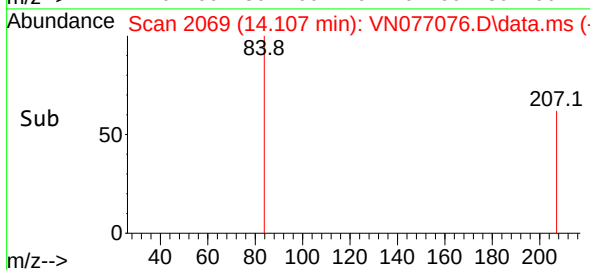
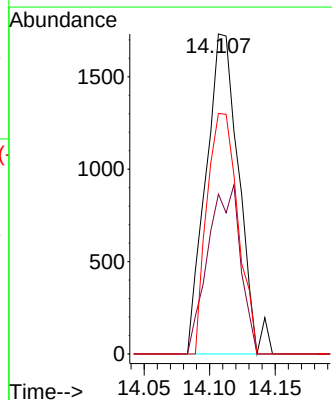
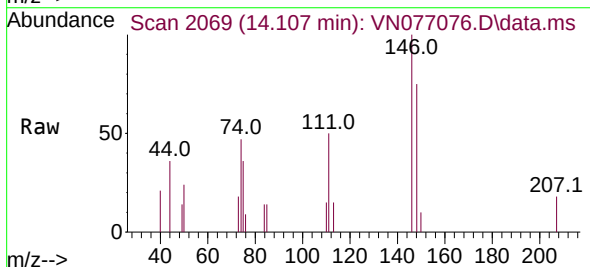
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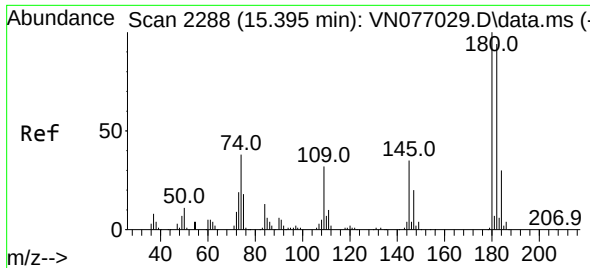
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#91
1,2-Dichlorobenzene
Concen: 0.419 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

Tgt Ion:146 Resp: 3027
Ion Ratio Lower Upper
146 100
111 51.8 22.6 67.7
148 70.5 31.6 95.0





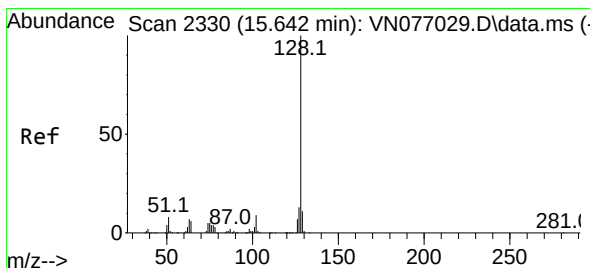
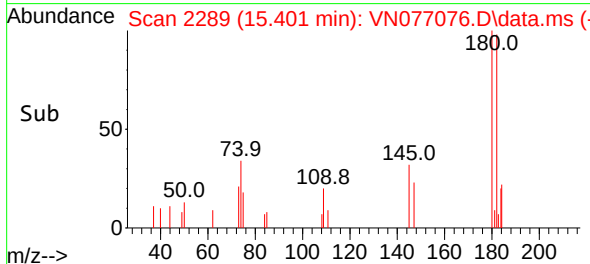
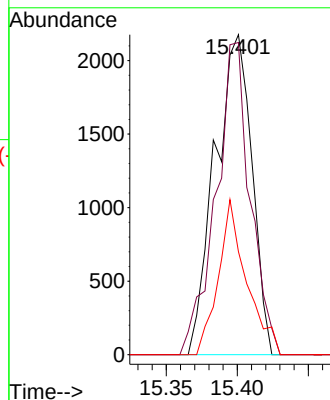
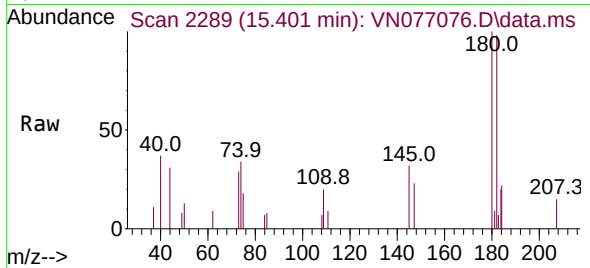
#93
1,2,4-Trichlorobenzene
Concen: 1.202 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:180 Resp: 392
Ion Ratio Lower Upper
180 100
182 90.8 47.3 141.9
145 37.0 16.9 50.7

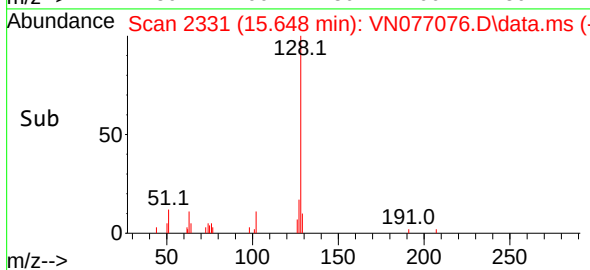
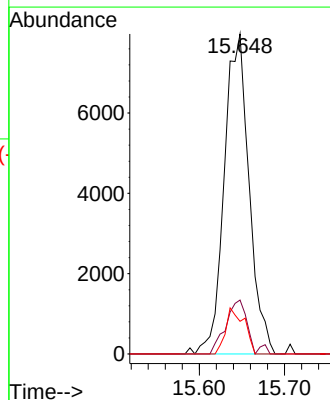
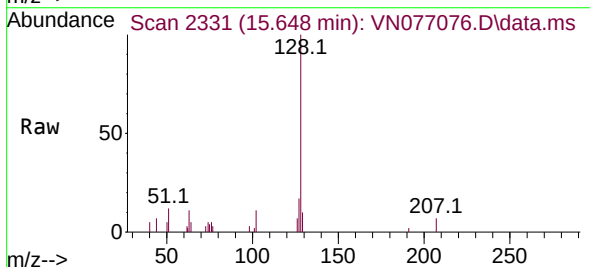
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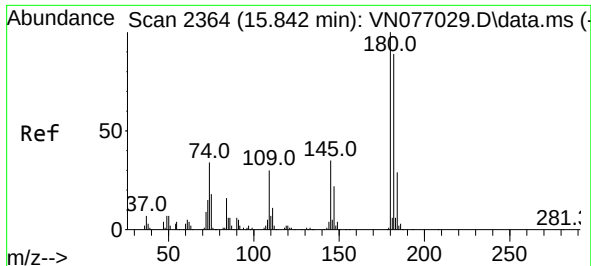
Reviewed By :John Carlone 03/21/2023
Supervised By :Mahesh Dadoda 03/21/2023



#95
Naphthalene
Concen: 3.136 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077076.D
Acq: 20 Mar 2023 18:18

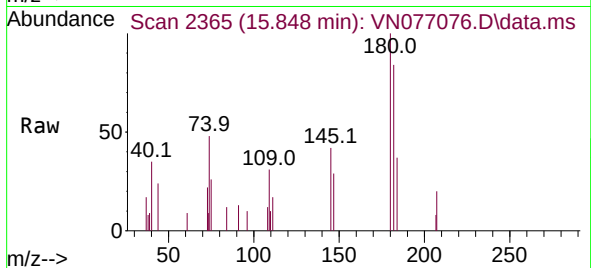
Tgt Ion:128 Resp: 16155
Ion Ratio Lower Upper
128 100
127 14.9 10.0 15.0
129 10.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.430 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077076.D
 Acq: 20 Mar 2023 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.4	142.2
145	34.7	17.9	53.8

Manual Integrations
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Reviewed By :John Carlone 03/21/2023
 Supervised By :Mahesh Dadoda 03/21/2023

